INSTALLER/CONSUMER SAFETY INFORMATION

PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING APPLIANCE.

IMPORTANT: Read all instructions and warnings carefully before starting installation. Failure to follow these instructions may result in a possible fire hazard, and will void the warranty.

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

FOR YOUR SAFETY:

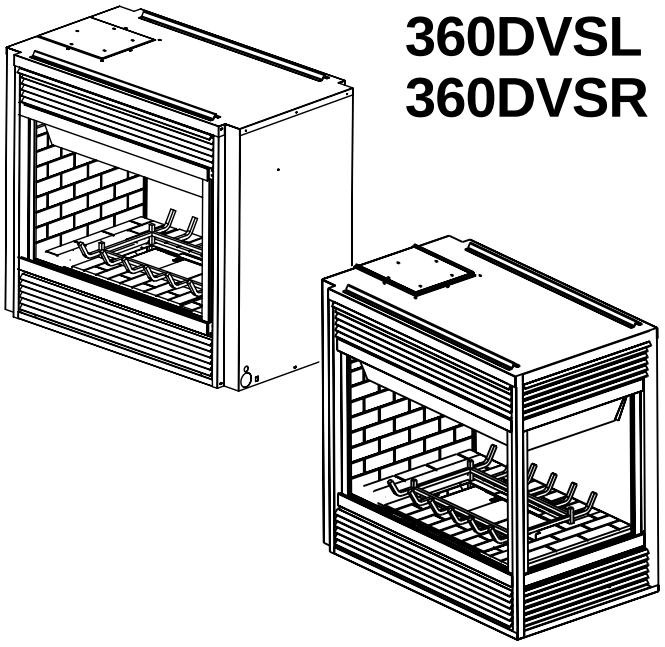
- **Installation and service must be performed by a qualified installer, service agency, or the gas supplier.**
- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**

If you smell gas:

1. **Open windows**
2. **Do not touch electrical switches.**
3. **Do not try to light any appliance.**
4. **Extinguish any open flame.**
5. **Do not use any telephone in your building.**
6. **Immediately call your gas supplier from a neighbor's phone.**
7. **Follow your gas supplier's instructions.**
8. **If you cannot reach your gas supplier, call the fire department.**

MAJESTIC
VERMONT Castings

Multisided Top/Rear Vent Convertible Direct Vent Fireplaces: 360DVS2 360DVS3 360DVSL 360DVSR



Installation Instructions & Homeowner's Manual

Vermont Castings, Majestic Products

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INSTALLER: DO NOT DISCARD THIS MANUAL—LEAVE FOR HOMEOWNER

10002547 09/03 Rev.8

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Thank you, and Congratulations on your purchase of a Vermont Castings, Majestic Products Fireplace.

PLEASE READ THE INSTALLATION & OPERATING INSTRUCTIONS BEFORE USING APPLIANCE.

IMPORTANT: Read all instructions and warnings carefully before starting installation. Failure to follow these instructions fully may result in a possible fire hazard and will void the warranty.

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Installation & Operating Instructions

This gas appliance should be installed by a qualified installer in accordance with local building codes and current CSA-B149.1 Installation Codes for Gas Burning Appliances and Equipment. If the unit is being installed in a mobile home, the installation should comply with the current CAN/CSA Z 240.4 code. For U.S.A. Installations, follow local codes and/ or the current National Fuel Gas Code, ANSI Z223.1.

FOR SAFE INSTALLATION AND OPERATION PLEASE NOTE THE FOLLOWING:

1. This fireplace gives off high temperatures and should be located out of high traffic areas and away from furniture and draperies.
2. Children and adults should be alerted to the hazards of high surface temperatures of this fireplace and should stay away to avoid burns or ignition of clothing.
3. **CAUTION: Due to high glass surface temperature, children should be carefully supervised when in the same room as fireplace.**
4. Under no circumstances should this fireplace be modified. Parts removed for servicing should be replaced prior to operating this fireplace again.
5. Installation and any repairs to this fireplace must be performed by a qualified installer, service agency or gas supplier. A professional service person should be contacted to inspect this fireplace annually. Make it a practice to have all of your gas fireplaces checked annually. More frequent cleaning may be required due to excess lint and dust from carpeting, bedding material, etc.
6. Control compartments, burners and air passages in this fireplace should be kept clean and free of dust and lint. Make sure the gas valve and pilot light are turned off before you attempt to clean this fireplace.
7. The venting system (chimney) of this fireplace should be checked at least once a year, and if needed, your venting system should be cleaned.
8. Keep the area around your fireplace clear of combustible materials, gasoline and other flammable vapor and liquids. This fireplace should not be used as a drying rack for clothing, nor should Christmas stockings or decorations be hung on or around the fireplace.
9. Under no circumstances should any solid fuels (wood, coal, paper or cardboard, etc.) be used in this fireplace.
10. The flow of combustion and ventilation air must not be obstructed in any way.
11. When the fireplace is installed directly on carpeting, vinyl tile, or any combustible material other than wood, it must be installed on a metal or wood panel extending the full width and depth of the fireplace.
12. This fireplace requires adequate ventilation and combustion air to operate properly.
13. This fireplace must not be connected to a chimney flue serving a separate solid fuel-burning fireplace.
14. When the fireplace is not in use, it is recommended the gas valve be left in the “OFF” position.

PROPOSITION 65 WARNING

Fuels used in gas, wood-burning, or oil-fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

California Health & Safety Code Sec. 25249.6

This appliance may be installed in an aftermarket, permanently located, manufactured home, or mobile home where not prohibited by local codes.

This appliance is only for use with type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

IMPORTANT:

PLEASE READ THE FOLLOWING CAREFULLY

Remove any plastic from trim parts before turning the fireplace ON.

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during start up and/or cool down cycles. Similar noises are found with a furnace heat exchanger or car engine.

It is not unusual for your Vermont Castings, Majestic Products gas fireplace to give off some odor the first time it is burned. This is due to paint curing and undetected oil from the manufacturing process.

Please open all windows to ensure your room is well ventilated.

It is recommended that you burn your fireplace for at least ten (10) hours the first time you use it. If the optional fan kit has been installed, place the fan switch in the “OFF” position during this time.

Locating Your Fireplace

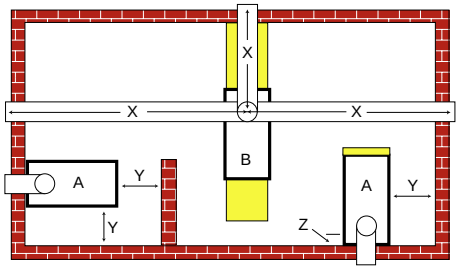


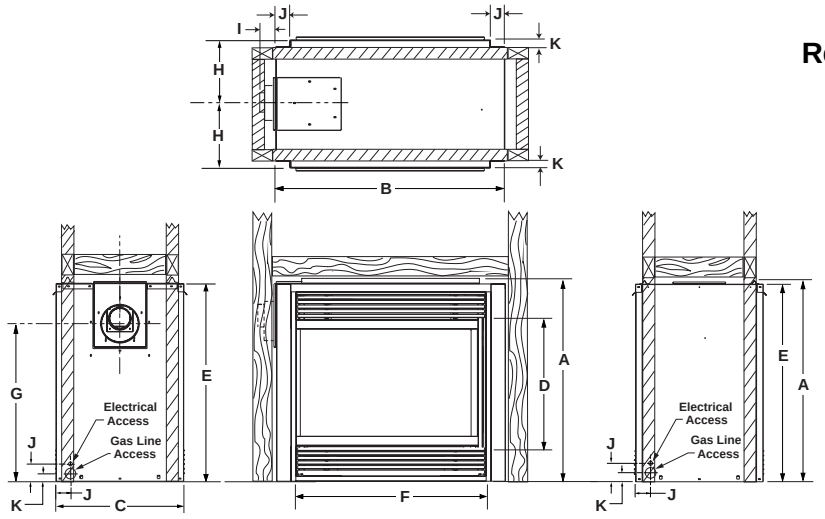
Fig. 1 Locating your gas fireplace

A Wall Location (Fig. 1)
Y (Minimum distance between a glass panel and a parallel wall) **= 3’ (914 mm)**
Z (Minimum distance between edge of a glass panel and an adjacent wall) **= 3” (76 mm)**

B Island Location (Fig. 1)
X (Maximum length of horizontal venting) **= 20’ (6.1 m)**
Refer to Manual Venting section for specific dimensions.

Fireplace Dimensions - 360DVS2

Rear Vent Configuration



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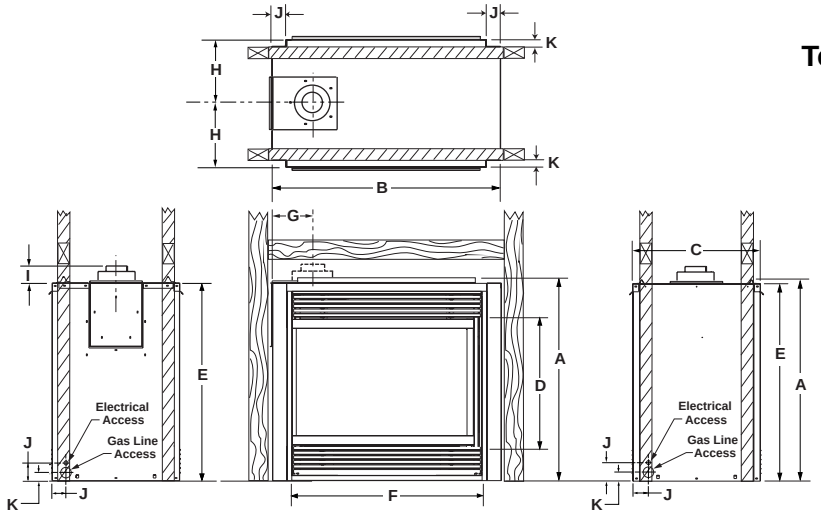
Top Vent Configuration



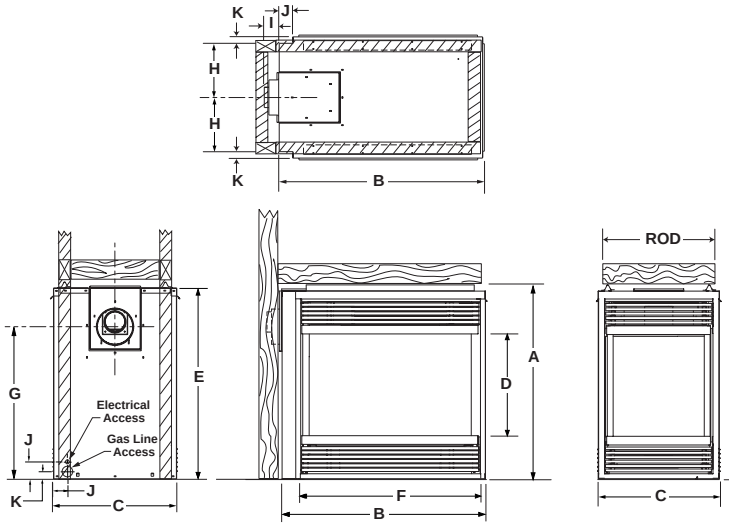
DVS2_dims_TV

Fig. 2a Fireplace specifications—360DVS2

Appliance Dimensions		
Ref.	**Rear Vent Configuration**	**Top Vent Configuration**
A	38 1/8" (968 mm)	38 1/8" (968 mm)
B	43 1/4" (1099 mm)	43 1/4" (1099 mm)
C	24" (610 mm)	24" (610 mm)
D	24" (610 mm)	24" (610 mm)
E	37 3/8" (949 mm)	37 3/8" (949 mm)
F	35 7/8" (911 mm)	35 7/8" (911 mm)
G	30 1/2" (775 mm)	7" (178 mm)
H	12" (305 mm)	12" (305 mm)
I	3 1/8" (80 mm)	3 1/8" (80 mm)
J	2 3/4" (70 mm)	2 3/4" (70 mm)
K	1 1/4" (33 mm)	1 1/4" (33 mm)

Fireplace Dimensions - 360DVS3/ 360DVSL/ 360DVSR

Rear Vent Configuration



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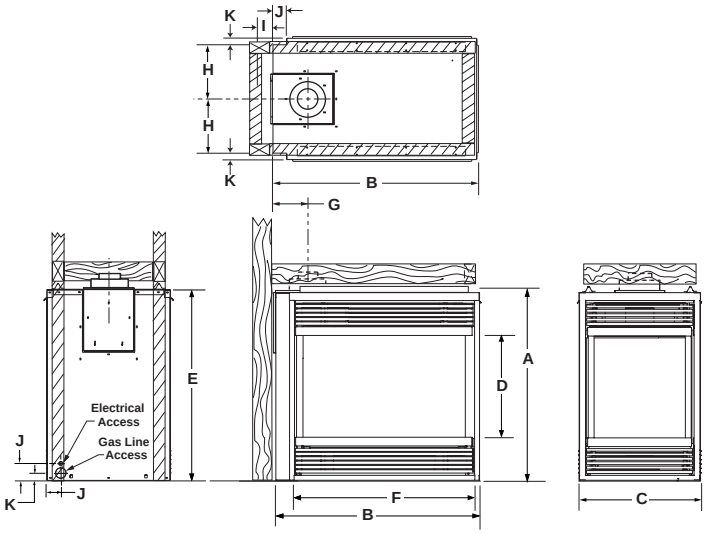
Top Vent Configuration



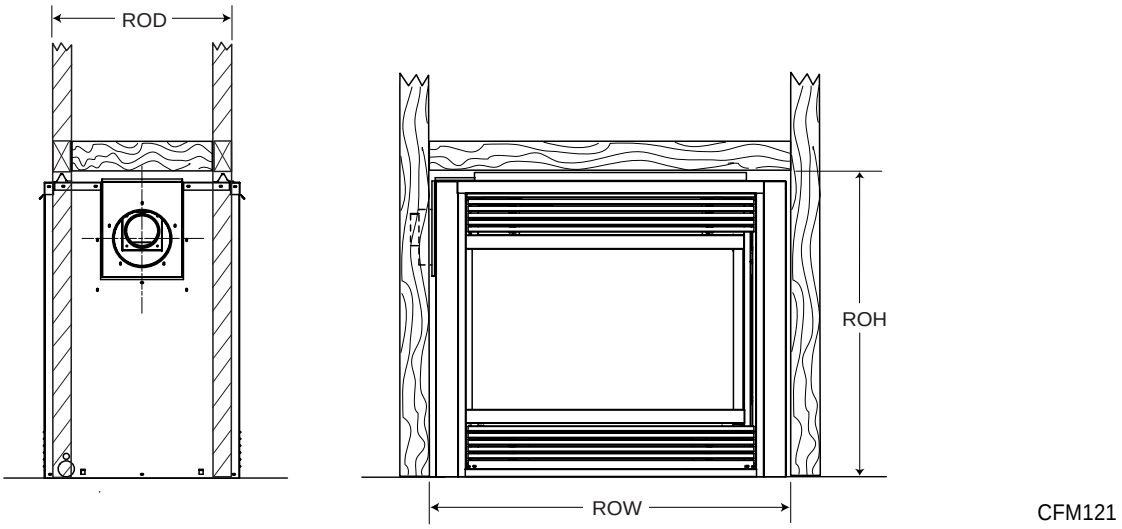
DVS3_dims_TV

Fig. 2b Fireplace specifications—360DVS3/ 360DDVSL/ 360DVSR

Appliance Dimensions		
Ref.	**Rear Vent Configuration**	**Top Vent Configuration**
A	38 1/8" (968 mm)	38 1/8" (968 mm)
B	40 5/8" (1032 mm)	40 5/8" (1032 mm)
C	24" (610 mm)	24" (610 mm)
D	24" (610 mm)	24" (610 mm)
E	37 3/8" (949 mm)	37 3/8" (949 mm)
F	35 7/8" (911 mm)	35 7/8" (911 mm)
G	30 1/2" (775 mm)	7" (178 mm)
H	12" (305 mm)	12" (305 mm)
I	3 1/8" (80 mm)	3 1/8" (80 mm)
J	2 3/4" (70 mm)	2 3/4" (70 mm)
K	1 1/4" (33 mm)	1 1/4" (33 mm)

Framing Dimensions - 360DVS2

Rear Vent Configuration



Top Vent Configuration

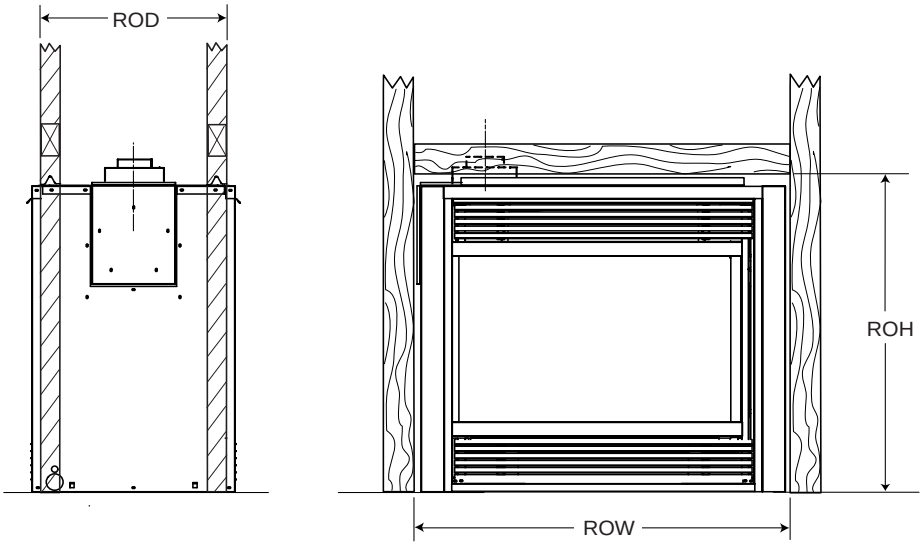
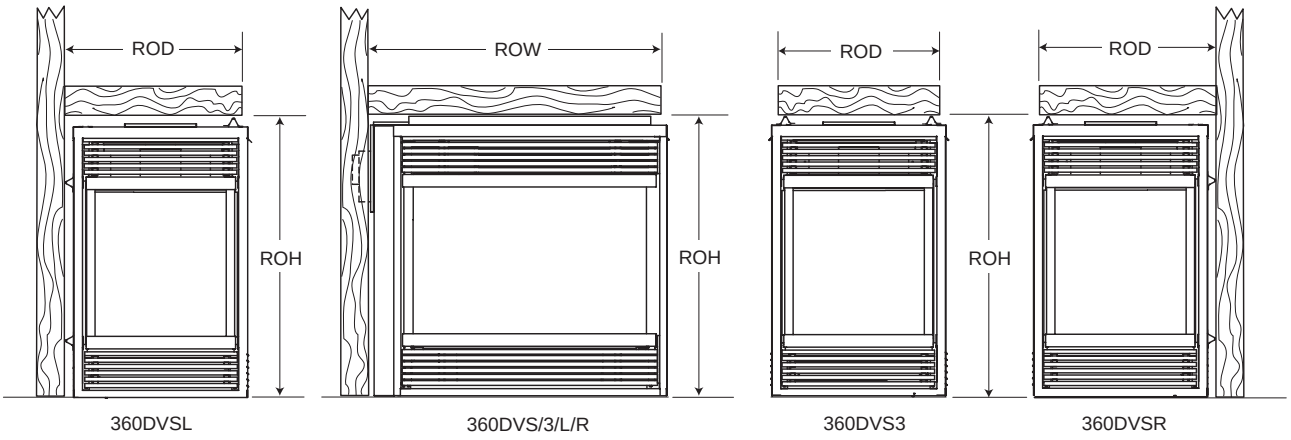


Fig. 3a Fireplace framing dimensions—360DVS2

Framing Dimensions		
Ref.	**Rear Vent Configuration**	**Top Vent Configuration**
ROD	24” minus two times finishing material thickness to be even with face of unit.	
ROH	38 5/8” (981 mm)	Not to be framed until unit is set in place, due to 3 1/8” allowance for flue collar
ROW	Not to be framed until unit is set in place due to 3 1/8” allowance for flue collar	43 3/4” (1111 mm)

Framing Dimensions - 360DVS3/ 360DVSL/ 360DVSR

Rear Vent Configuration



Top Vent Configuration

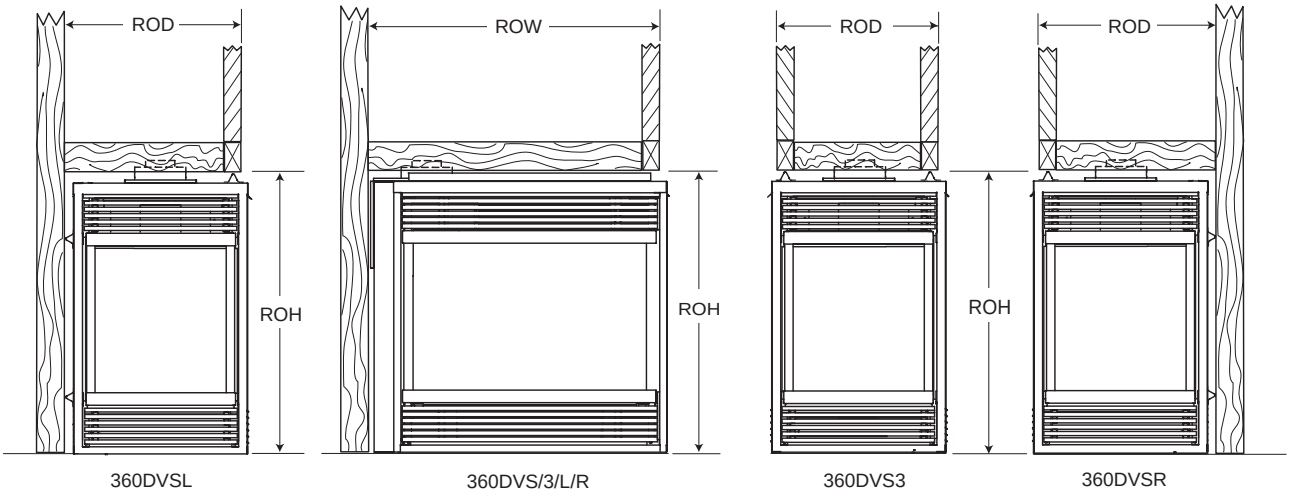


Fig. 3b Fireplace framing dimensions—360DVS3/ 360DVSL/ 360DVSR

Framing Dimensions				
Ref.	**Rear Vent Configuration Top Vent Configuration**			
Model	**360DVS3**	**360DVSL/R**	**360DVS3**	**360DVSL/R**
ROD	(See Note 1)	(See Note 2)	(See Note 1)	(See Note 2)
ROH	38 5/8" (981 mm)		Not to be framed until unit is set in place, due to 3 1/8" allowance for flue collar	
ROW	40 5/8" minus one time (1 x) finishing material thickness to be even with face of unit.			

NOTE 1: 24" (610 mm) minus two times (2 x) finishing material thickness to be even with face of unit.
NOTE 2: 24 3/4" (629 mm) minus one time (1 x) finishing material thickness to be even with face of unit.

Clearance to Combustibles

Appliance

Top	0”	(0 mm) to standoff
Bottom	0”	(0 mm)
Vent End	1/2”	(13 mm) to rear panel
Nonvent End (DVS2)	0”	(0 mm)

Venting

Concentric sections of DV Vent:	
Top, bottom & sides	1” (25 mm)
Nonconcentric sections of DV Vent:	
Side and bottom	1” (25 mm)
Top	2” (51 mm)

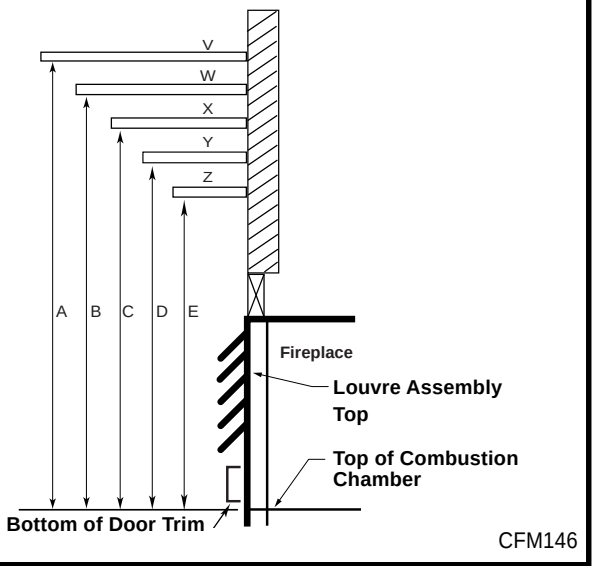
Mantels

The height at which a combustible mantel is fitted above the fireplace is dependent on the depth of the mantel. This also applies to the distance between the mantel leg (if so fitted) and the fireplace. For correct mounting height and width, refer to Fig. 2a and 2b and the Mantel Chart below.

The fitting of a bay window trim kit does not affect the distances and reference points referred to in the diagram and chart.

Noncombustible mantels and legs may be installed at any height and width around the appliance.

When using paint or lacquer to finish the mantel, such paint or lacquer must be heat resistant to prevent discoloration.

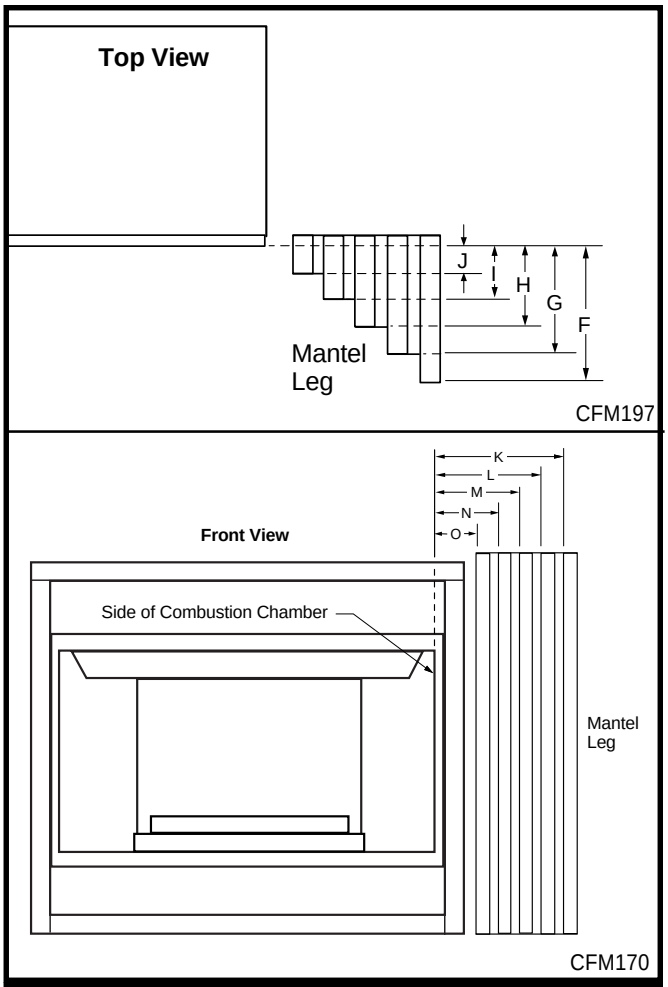


Mantel Chart

Ref.	Mantel Shelf or Breast Plate	Ref.	Mantel from Top of Comb. Chamber
V	10" (254 mm)	A	19" (483 mm)
W	8" (203 mm)	B	17" (432 mm)
X	6" (152 mm)	C	15" (381 mm)
Y	4" (102 mm)	D	13" (330 mm)
Z	2" (51 mm)	E	11" (297 mm)

CFM176

Fig. 4a Combustible mantel minimum installation



Mantel Leg Chart

Ref.	Mantel Leg Depth	Ref.	Mantel Leg From Side of Combustion Opening
F	10" (254 mm)	K	11 1/2" (292 mm)
G	8" (203 mm)	L	9 1/2" (241 mm)
H	6" (152 mm)	M	7 1/2" (191 mm)
I	4" (102 mm)	N	5 1/2" (140 mm)
J	2" (51 mm)	O	3 1/2" (89 mm)

CFM166a

Fig. 4b Combustible mantel leg minimum installation

Hearth

A hearth is not mandatory; however, for aesthetic purposes, we recommend installing a noncombustible hearth that projects out 12” (305 mm) or more from the front of the fireplace.

Cold climate installation recommendation: When installing this unit against a noninsulated exterior wall or chase, it is mandatory the outer walls be insulated to conform to applicable insulation codes.

Framing & Finishing

1. Choose the unit location.
2. Place the unit into position and secure it to the floor with 1.5" (38 mm) screws or nails. Holes to secure the unit to the floor are located behind the access door grille on the left and right sides of the unit.
3. Frame in the fireplace with a header across the top. It is important to allow for the finished wall face when setting the depth of the frame.
4. Drywall (sheetrock) or wood material may be placed with a zero clearance to the top edges of the appliance when finishing walls above sides of the appliance with glass windows. **NOTE: Attach wall finishing to constructed frame, not the appliance.**
5. On 360DVSL and 360DVSR, drywall, wood, or wood molding may be placed with zero clearance to the rear wall of the unit, along the vertical edge formed by the standoffs, to intersection of the rear wall, to the side wall having the small glass window. **NOTE: Attach wall finishing to constructed frame, not the appliance.**

Final Finishing

Noncombustible materials such as brick or tile may be extended over the edges of the face of the appliance. DO NOT cover any vent or grille panels.

If a Trim Kit is going to be installed on the fireplace, the brick or tile will have to be installed flush with the edges of the appliance.

Gas Specifications

Model	Fuel	Gas Control	Max. Input BTU/h	Max. Input BTU/h
360DVS2RN	Nat	Millivolt	38,000	26,600
360DVS2RP	Prop	Millivolt	38,000	28,500
360DVS2EN	Nat	24V Hi/Lo	38,000	26,600
360DVS2EP	Prop	24V Hi/Lo	38,000	28,500
360DVS3RN	Nat	Millivolt	38,000	26,600
360DVS3RP	Prop	Millivolt	38,000	28,500
360DVS3EN	Nat	24V Hi/Lo	38,000	26,600
360DVS3EP	Prop	24V Hi/Lo	38,000	28,500
360DVSLRN	Nat	Millivolt	38,000	26,600
360DVSLRP	Prop	Millivolt	38,000	28,500
360DVSLEN	Nat	24V Hi/Lo	38,000	26,600
360DVSLEP	Prop	24V Hi/Lo	38,000	28,500
360DVSRRN	Nat	Millivolt	38,000	26,600
360DVSRRP	Prop	Millivolt	38,000	28,500
360DVSREN	Nat	24V Hi/Lo	38,000	26,600
360DVSREP	Prop	24V Hi/Lo	38,000	28,500

Gas Inlet & Manifold Pressures

	Natural	LP (Propane)
Inlet Minimum	4.5" wc	11" wc
Inlet Maximum	14" wc	14" wc
Manifold Pressure	3.5" wc	10" wc

Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.

For elevations above 4,500 feet (1,370 m) in USA, installations must be in accordance with the current ANSI Z223.1 and/or local codes having jurisdiction.

In Canada, please consult provincial and/or local authorities having jurisdiction for installations above 4,500 feet (1,370 m).

360DVS2/ 360DVS3/ 360DVSL/ 360DVSR CERTIFIED TO

ANSI Z21.88b-1999/ CSA 2.33b-M99
Vented Gas Fireplace Heaters

Gas Line Installation

When purging the gas lines, the window frame assembly must be removed.

The gas pipeline can be brought in through the vent end of the fireplace as well as the bottom. Knockouts (to allow gas pipe installation and testing any gas connection) are provided on the bottom behind the valve. It is most convenient to bring the gas line in from the vent end of the valve, as this allows fan installation or removal without disconnecting the gas line.

The gas line connection can be made with properly tinned 3/8" copper tubing, 3/8" rigid pipe, or an approved flex connector. Since some municipalities have additional local codes, it is always best to consult your local authority and the CSA-B149.1 installation codes.

For USA installations, consult the current National Fuel Gas Code, ANSI Z223.1.

Always check for gas leaks with a mild soap and water solution. Do not use an open flame for leak testing.

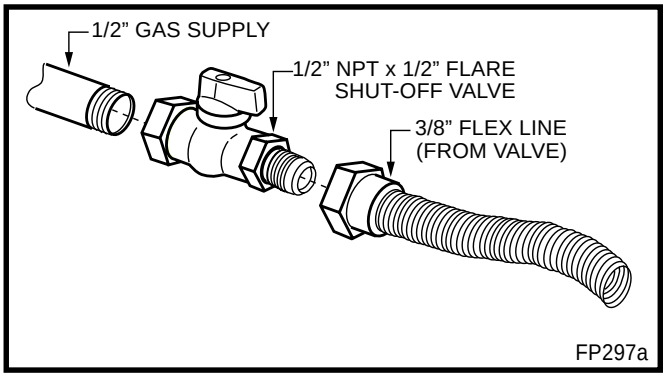


Fig. 5 Gas shutoff valve and flex connector

The gas control is equipped with a captured-screw type pressure test point, therefore it is not necessary to provide a 1/8" test point upstream of the control.

When using copper or flex connector, use only approved fittings. Always provide a union when using black iron pipe so that the gas line can be easily disconnected for burner or fan servicing. See the gas specification for pressure details and ratings.

Isolate or disconnect this or any other gas appliance control from the gas line when pressure testing.

DO NOT subject the fireplace valve to test pressures exceeding 1/2 psi.

EB-1 Electrical Junction Box Connection

The fireplace, when installed, must be electrically connected and grounded in accordance with local codes; in the absence of local codes, use the current CSA C22.1 Canadian Electrical Code.

For USA installations, follow the local codes and National Electrical Code ANSI/ NFPA No. 70.

It is strongly suggested the wiring of the EB-1 Electrical Junction Box be carried out by a licensed electrician.

Ensure power to the supply line has been disconnected before commencing with this procedure.

The EB-1 electrical junction box has been supplied standard on this model to allow for easy connection of the optional fan kits (Fig. 6).

To connect the EB-1 box to the house electrical supply follow the steps below.

1. Remove the front cover of the EB-1 box.
2. Remove the plug socket assembly from the EB-1 box.
3. Feed the supply line in from the out through the electrical knockout.
4. Connect the ground wire of the supply line to the green screw of the socket assembly.
5. Connect the white wire of the power line to the chrome screw of the socket assembly.
6. Connect the black wire of the power supply line to the brass screw (polarized) of the socket assembly.
7. Refit the socket assembly back into the electrical box and replace the cover plate.
8. The EB-1 electrical junction box is now ready to supply power to the FK12 or FK24 fan kit, if used.

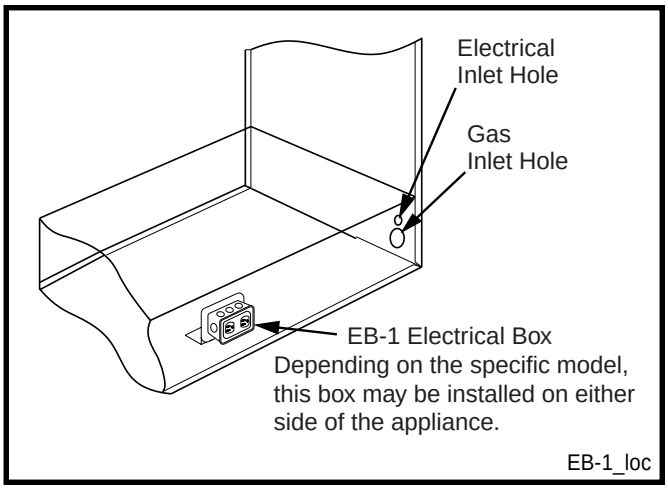


Fig. 6 EB-1 attachment

Remote ON/ OFF Switch Installation

Do not wire the remote ON/OFF wall switch for this gas appliance into a 120V power supply.

1. Thread the wiring through the holes on the end panels of the appliance. Take care not to cut the wire or insulation on metal edges. Route the wire to a conveniently located receptacle box.
2. Attach the wire to the ON/OFF switch and install the switch into the receptacle box.
3. Connect the other ends of the wire to the gas control valve, as shown in Fig. 7.

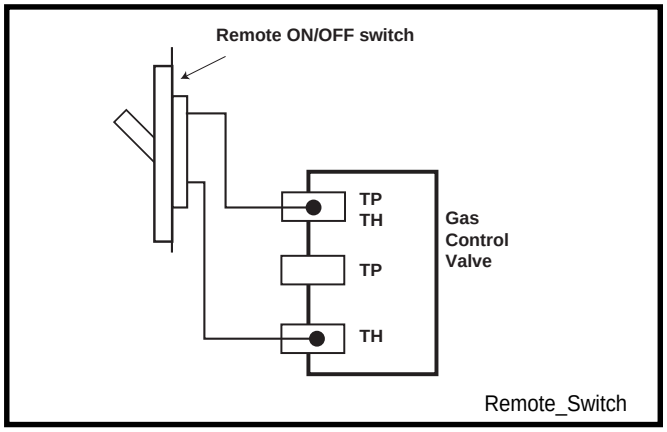


Fig. 7 Remote switch wiring diagram for R models

Alternative Switch Location

The remote switch can be installed on the front or the side of the access door. Simply mount the switch to the bracket provided and screw the bracket to either side of the frame, lining up the screws with the prepunched holes (Fig. 8).

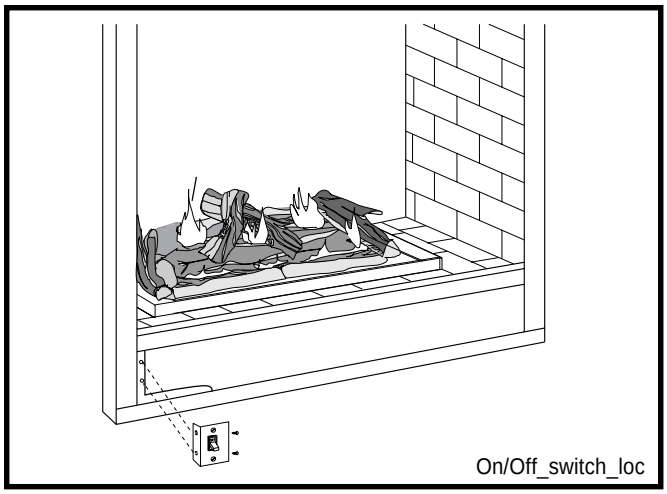


Fig. 8 Alternate switch location

Optional Top Vent Application

This appliance is shipped as a rear vent unit. If the installation layout requires the unit to be a top vent configuration, the appliance can be converted by following the steps below.

When removing and refitting the plates and adapter, be sure the associated gasket is undamaged and refitted as required.

1. Remove the 10 screws securing the outer collar adapter to the fireplace body (Fig. 9).
2. Set the collar aside, complete with the gasket. **NOTE: Do not damage the gasket, as the adapter and gasket must be refitted.**
3. Remove the insulation material (exposed in step 2) from the top of the unit (Fig. 10). This material can be discarded; however, if the unit is converted back to rear-vent, a new piece of insulation material approved by Vermont Castings, Majestic Products must be used for this purpose.

NOTE: When converting appliance to top vent, ensure the insulation material referred to in step 3 is completely removed.

4. Remove the 4 screws securing the flue cover plate to the top of the intake box and remove the cover and gasket (Fig. 11).
5. Remove 4 screws securing the flue pipe to back of the intake box and remove pipe and gasket (Fig. 11).
6. Secure the plate and gasket removed in step 4 over the flue opening in the back of the intake box. Ensure the gasket is in place and undamaged.
7. Install the flue pipe and gasket removed in step 5 over the flue opening in the top of the intake box.
8. Refit the outer collar adapter and gasket to the unit with the round collar on the top. Secure the adapter with the 10 screws removed in step 1.

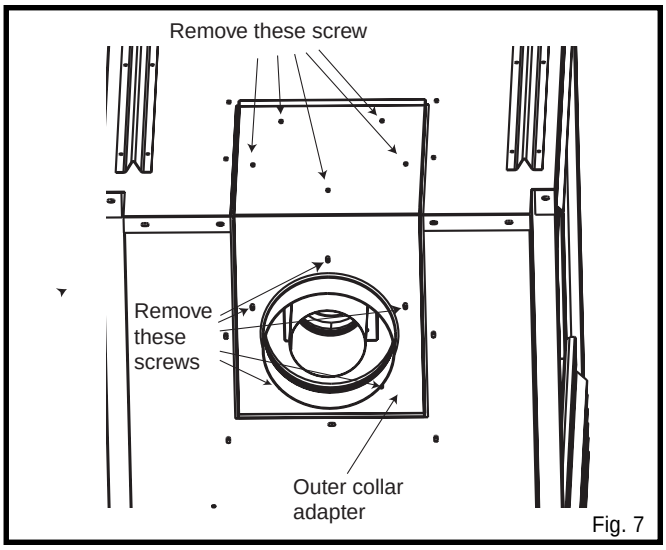


Fig. 9 Remove screws from outer collar adapter

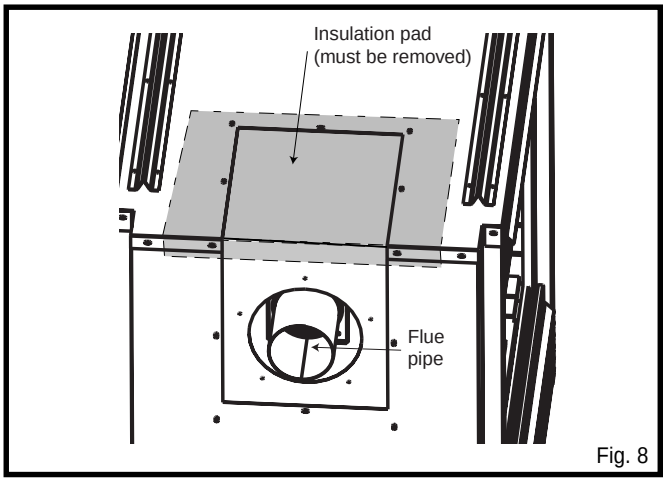


Fig. 10 Remove flue cover and pipe

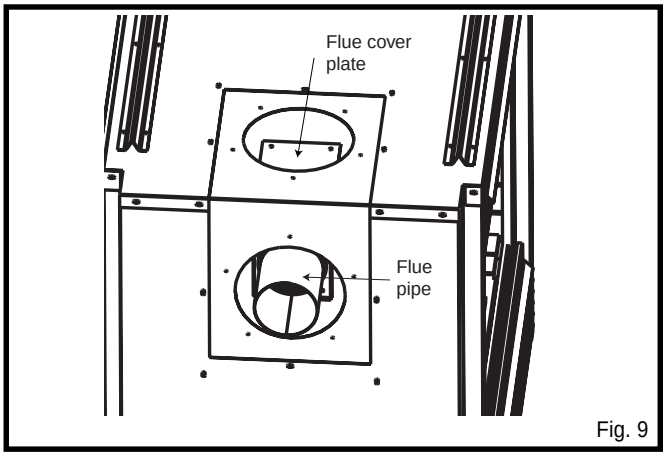


Fig. 11 Flue pipe removal

Electronic Gas Control Valve

This appliance may be fitted with a Honeywell ignition module.

Installation of the remote ON/OFF starter switch on electronic ignition units (Fig. 12):

1. Thread the wiring through the holes on the side panels of the appliance. Take care not to cut the wire or insulation on metal edges. Route the wire to a conveniently located receptacle box.
2. Attach the wire to the ON/OFF switch and install the switch into the receptacle box.
3. Connect the white wire from the wall switch to the black wire from the transformer, using an approved wire nut. Connect the black wire from the wall switch to the black wire running from the #6 position of the ignition module, also using an approved wire nut.

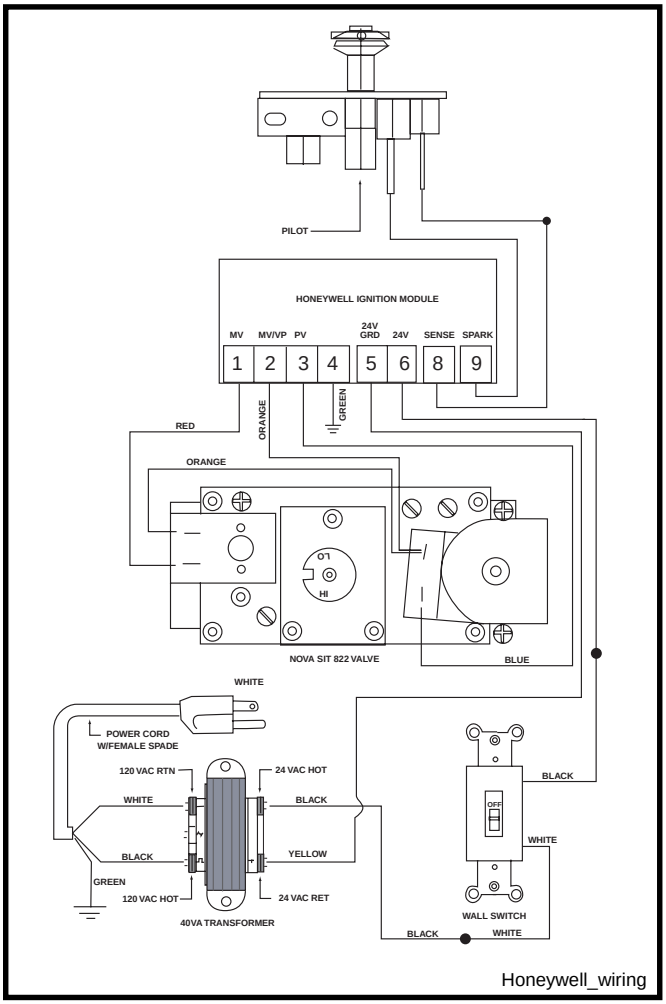


Fig. 12 Honeywell Ignition Module.

General Venting

Your fireplace is approved to be vented either through the side wall, or vertically through the roof.

- Only Vermont Castings, Majestic Products venting components, specifically approved and labeled for this fireplace, may be used.
- Venting terminals shall not be recessed into a wall or siding.
- Horizontal venting must be installed on a level plane without an inclining or declining slope.

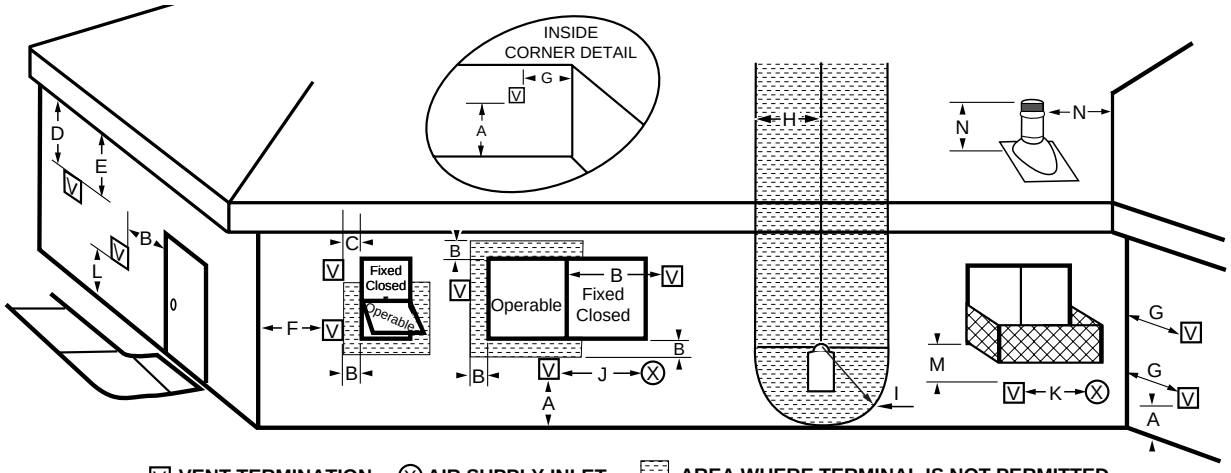
There must not be any obstruction such as bushes, garden shed, fencing, deck or utility building within 24” (610 mm) from the front of the termination hood.

Do not locate the termination hood where excessive snow or ice buildup may occur. Be sure to check the vent termination area after snow falls; clear it to prevent accidental blockage of the venting system. When using a snow blower, make sure snow is not directed toward the vent termination area.

Location of Vent Termination

NOTE: It is imperative the vent termination be located observing minimum clearances as shown on the following page.

General Venting Information–Termination Location



▽ VENT TERMINATION ⓧ AIR SUPPLY INLET AREA WHERE TERMINAL IS NOT PERMITTED

CFM145a

	Canadian Installations[1]	US Installations[2]
A = Clearance above grade, veranda, porch, deck or balcony	12 in. (30 cm)	12 in. (30 cm)
B = Clearance to window/door that may be opened	6 in. (15 cm) for appliances <10,000 Btuh (3 kW), 12 in (30 cm) for appliances >10,000 Btuh (3 kW), and <100,000 Btuh (30 kW), 36 in. (91 cm) for appliances >100,000 Btuh (30 kW)	6 in. (15 cm) for appliances <10,000 Btuh (3 kW), 9 in. (23 cm) for appliances >10,000 Btuh (3 kW), and <50,000 Btuh (15 kW), 12 in. (30 cm) for appliances >50,000 Btuh (15 kW)
C = Clearance to permanently closed window	12 in. (305 mm) recommended to prevent window condensation	12 in. (305 mm) recommended to prevent window condensation
D = Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 ft. (610 mm) from the center line of the terminal	18 in. (458 mm)	18 in. (458 mm)
E = Clearance to unventilated soffit	12 in. (305 mm)	12 in. (305 mm)
F = Clearance to outside corner	*(See next page.)*	*(See next page.)*
G = Clearance to inside corner	*(See next page.)*	*(See next page.)*
H = Clearance to each inside of center line extended above meter/regulator assembly	3 ft. (91 cm) within a height of 15 ft. (4.57 m) above meter/ regulator assembly	3 ft. (91 cm) within a height of 15 ft. (4.57 m) above meter/ regulator assembly
I = Clearance to service regulator vent outlet	3 ft. (91 cm)	3 ft. (91 cm)
J = Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	6 in. (15 cm) for appliances <10,000 Btuh (3 kW), 12 in. (30 cm) for appliances >10,000 Btuh (3 kW), and <100,000 Btuh (30 kW), 36 in (91 cm) for appliances >100,000 Btuh (30 kW)	6 in. (15 cm) for appliances <10,000 Btuh (3 kW), 9 in. (23 cm) for appliances >10,000 Btuh (3 kW), and <50,000 Btuh (15 kW), 12 in. (30 cm) for appliances >50,000 Btuh (15 kW)
K = Clearance to a mechanical air supply inlet	6 ft. (1.83 m)	3 ft. (91 cm) above if within 10 ft. (3 m) horizontally
L = Clearance above paved sidewalk or a paved driveway located on public property	7 ft. (2.13 m) †	7 ft. (2.13 m) †
M = Clearance under veranda, porch, deck, or balcony	12 in. (30 cm) ‡	12 in. (30 cm) ‡
N = Clearance above a roof shall extend a minimum of 24 in. (610 mm) above the highest point when it passes through the roof surface, and any other obstruction within a horizontal distance of 18" (450 mm)		

1 In accordance with current CSA-B149 Installation Codes.
2 In accordance with current ANSI Z223.1/ NFPA 54 National Fuel Gas Codes.
† A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single-family dwellings, and serves both dwellings.
‡ Only permitted if veranda/ porch/ deck is fully open on a minimum two sides beneath the floor.
NOTES: 1 Local codes or regulations may require different clearances.
2 The special venting system used on Vermont Castings, Majestic Products Direct Vent Fireplaces are certified as part of the appliance, with clearances tested and approved by the listing agency.

Fig. 13 Vent termination clearances

Termination Clearances

Termination clearances for buildings with combustible and noncombustible exteriors.

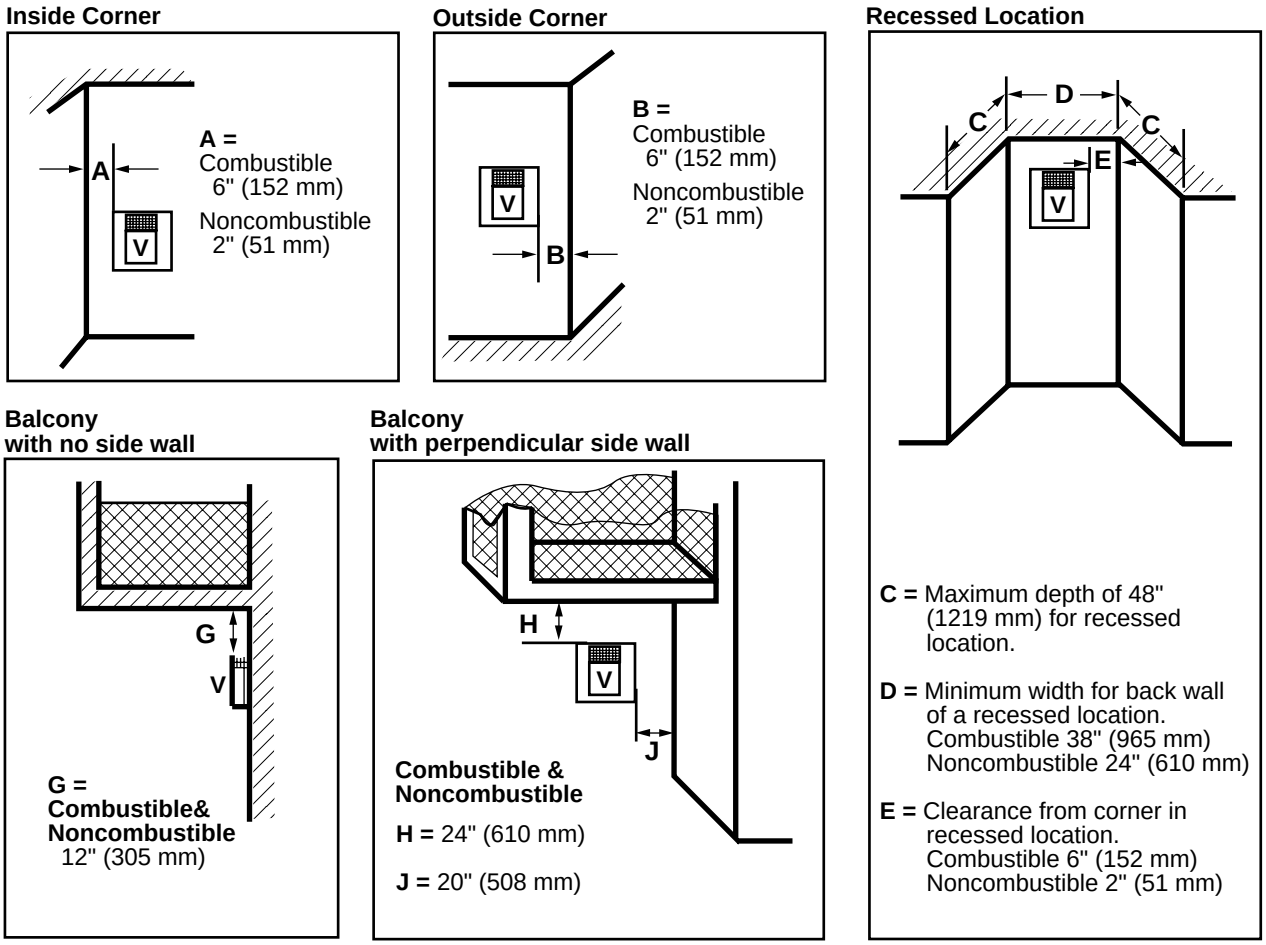


Fig. 14 Termination clearances

General Information for Connecting Vent Pipes

Crimped End Pipes
Before joining elbows and pipes apply a bead of high-temperature sealant to the crimped end of the elbow or pipe. Join the pipes using a 2” (51 mm) overlap and secure the joints with three sheet metal screws (Fig. 15). Wipe off excess sealant.

Canadian Installations:
Venting system must be installed in accordance with the current CSA-B149.1 installation code.

USA Installations:
The venting system must conform with local codes and/or current National Fuel Gas Code ANSI Z223.1.

Only venting components manufactured by Vermont Castings, Majestic Products can be used in Direct Vent systems.

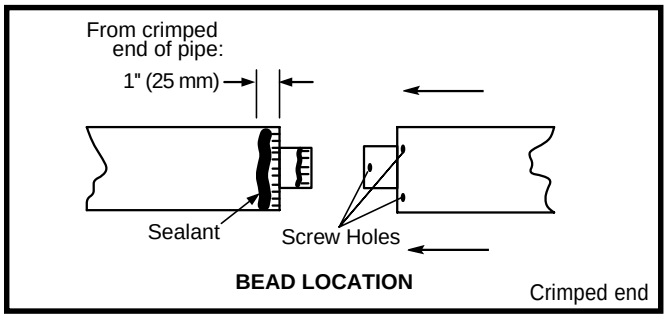


Fig. 15 Apply a bead of high-temperature sealant

Twist Lock Pipes
When using Vermont Castings, Majestic Products twist-lock pipe, it is not necessary to use sealant on the joints. The only areas of the venting system that need to be sealed with high-temperature silicone sealant are the collars on the fireplace and termination, and sliding joints of telescopic vent sections used in the system.

To join the twist lock pipes together, align the beads of the male end with the grooves of the female end. While bringing the pipes together, twist the pipe until the flange on the female end contacts the external flange on the male end. It is recommended that you secure the joints with three (3) sheet metal screws; however, this is not mandatory with twist lock pipe.

NOTE: For ease of assembly, use a lubricant (Vaseline or similar substance) on male end of twist lock pipe prior to assembly.

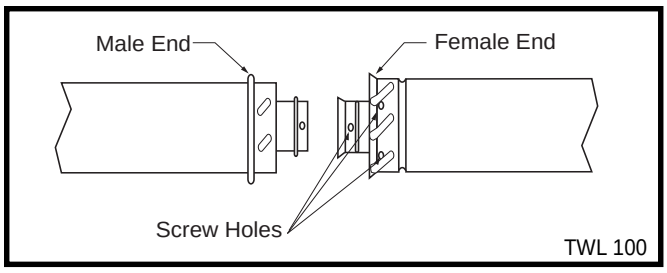


Fig. 16 Twist lock pipe joints

How to Use the Vent Graph

The vent chart should be read in conjunction with the following vent installation instructions to determine the relationship of the vertical and horizontal dimensions of the vent system.

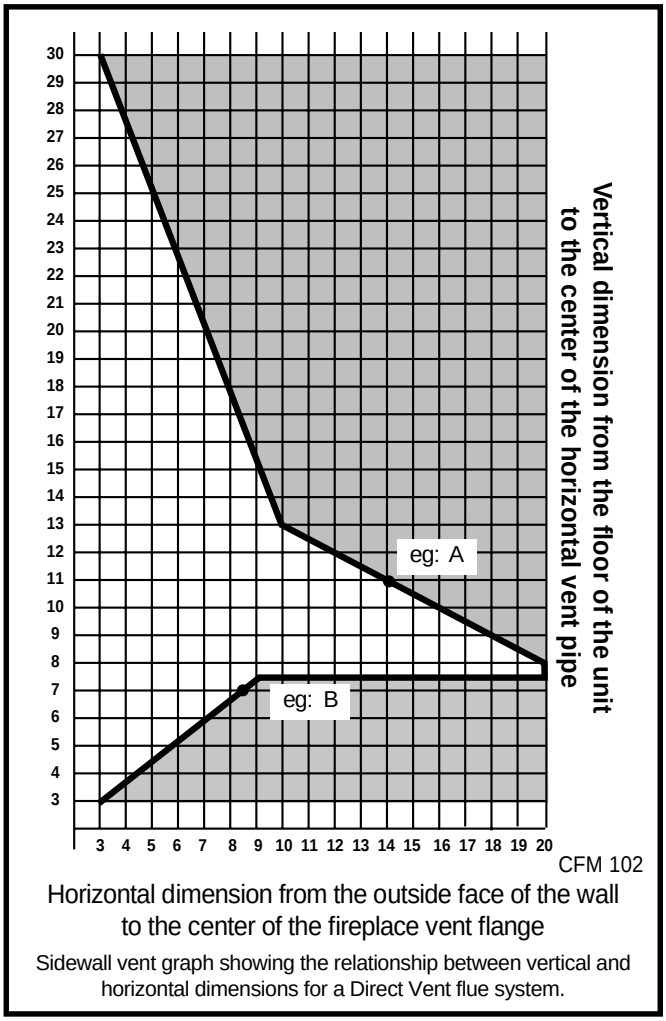
1. Determine the height of the center of the horizontal vent pipe exiting through the outer wall. Using this dimension on the Sidewall Vent Graph bellow, locate the point intersecting with slanted graph line.
2. From the point of this intersection, draw a vertical line to the bottom of the graph.
3. Select the indicated dimension, and position the fireplace in accordance with same.

Example A:

If vertical dimension from floor of the fireplace is 11 ft. (3.4 m), horizontal run to the face of outer wall must not exceed 14 ft. (4.3 m).

Example B:

If vertical dimension from floor of the unit is 7 ft. (2.14 m), horizontal run to the face of outer wall must not exceed 8 1/2 ft. (2.6 m).


30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
eg: A
eg: B
Vertical dimension from the floor of the unit to the center of the horizontal vent pipe
CFM 102
Horizontal dimension from the outside face of the wall to the center of the fireplace vent flange

Sidewall vent graph showing the relationship between vertical and horizontal dimensions for a Direct Vent flue system.

Fig. 17 Sidewall vent graph

Rear Wall Vent Application

When installed as a rear vent unit this appliance may be vented directly to a termination located on the rear wall behind the appliance.

- Specific rear vent starter kits must be used in these applications (see 'venting components'). The appliance has been approved for installation flat against a rear wall (Fig. 18).
- Maximum horizontal distance between the rear of the appliance and the outside face of the rear wall is 20 in. (508 mm) (Fig. 18).
- Minimum clearances between any combustible material and the vent pipe sections are:

  Top ..... 2" (51 mm)
  Sides ..... 1" (25 mm)
  Bottom ..... 1" (25 mm)

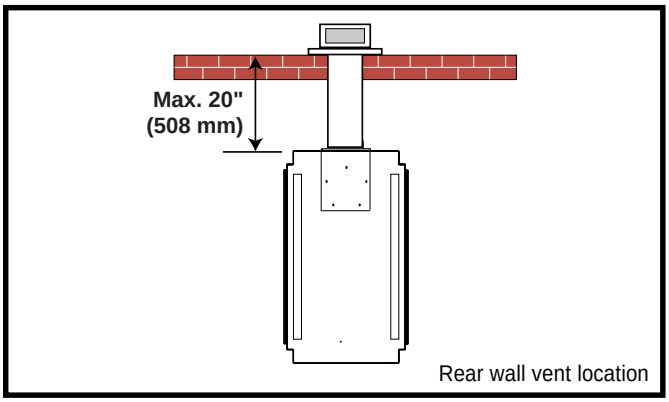


Fig. 18 Rear vent application

Rear Wall Vent Installation

STEP 1
Locate and cut vent opening in the rear wall.

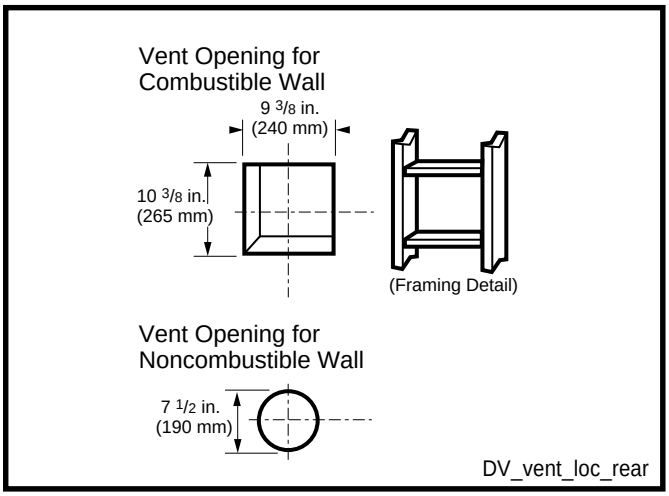


Fig. 19 Locate vent opening on rear wall

For combustible walls: Cut a rectangular hole measuring 10 **3/8** in.H x 9 **3/8** in.W (265 mm x 240 mm) through the exterior wall and frame. Frame in the opening per Fig. 19.

For noncombustible walls: Cut a round hole measuring 7 **1/2** in. (190 mm) diameter through the exterior wall and frame (Fig. 19).

STEP 2
For combustible walls: Measure wall thickness and cut zero clearance sleeve parts to proper length. Max. length is 12 in. (305 mm). Assemble sleeve to its maximum opening of 10 **3/8**" x 9 **3/8**" (265 mm x 240 mm), and attach to firestop with #8 sheetmetal screws (supplied). Install firestop assembly (Fig. 20).

NOTE: Zero clearance sleeve is required only for combustible walls.

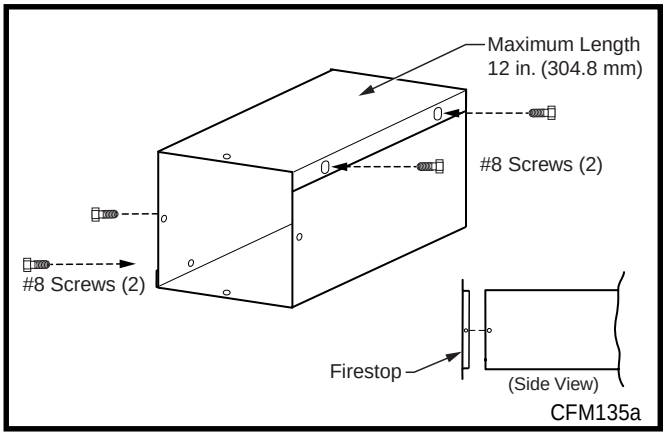


Fig. 20 Adjustable zero clearance sleeve

STEP 3
Measure the horizontal length requirement for the venting including a 2" (51 mm) overlap, i.e. from the elbow to the outside wall face plus 2" (51 mm), or the distance required if installing a second 90˚ elbow (Fig. 22).

STEP 4
Install the 4" (102 mm) vent to the appliance collar and secure with 3 sheetmetal screws. Install the 7" (178 mm) vent pipe to the appliance collar and secure with three (3) sheetmetal screws. It is not necessary to seal this connection.

It is critical there be no downward slope away from the appliance when connecting the vent or elbow.

STEP 5
Guide vent through the vent hole as you place the appliance in its installed position. Guide the 4" (102 mm) and 7" (178 mm) collars of the vent termination into the outer ends of the venting.

Do not force the termination. If the vent pipes do not align with the termination, remove and realign the venting at the appliance flue collars.

Attach the termination to the wall as outlined in the instruction sheet supplied with the termination.

Vertical Sidewall Applications

Because it is very important the venting system maintain its balance between the combustion air intake and the flue gas exhaust, certain limitations concerning vent configurations must be strictly adhered to.

- The vent graph (Fig. 17), showing relationship between vertical and horizontal side wall venting, will help determine allowable dimensions.
- Minimum clearance between vent pipes and combustible materials is 1 in. (25 mm) on top, bottom, and sides, unless otherwise noted.
- When the vent termination exits through foundations less than 20 in. (508 mm) below siding outcrop, the vent pipe must flush up with the siding.
- It is best to locate the fireplace in such a way that minimizes the number of offsets and horizontal vent length. The horizontal vent run refers to the total length of vent pipe from the flue collar of the fireplace to the face of the outer wall.

NOTE: When installing the appliance as a rear vent unit, the 90˚ transition elbow attached directly to the rear of the unit is not included in the following criteria and calculations. Unless it is specifically mentioned, this elbow should be ignored when calculating venting layouts.

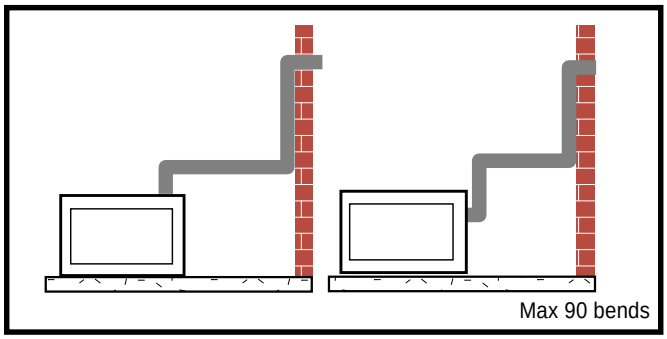


Fig. 21 Maximum three (3) 90˚ elbows per installation

Horizontal plane means no vertical rise exists on this portion of the vent assembly.

- The maximum number of 90˚ elbows per side wall installation is three (3).
- If a 90˚ elbow is fitted directly on top of the fireplace flange, the maximum horizontal vent run before the termination or a vertical rise is 36 in. (914 mm).

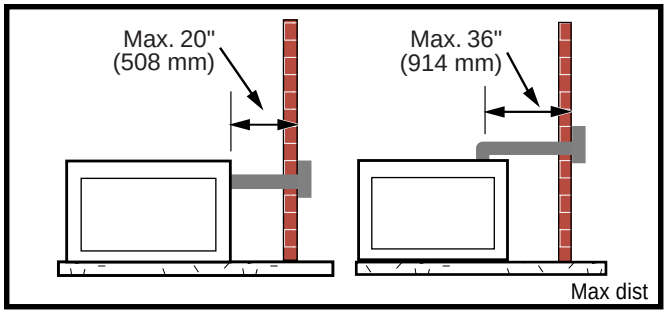


Fig. 21 Maximum horizontal run w/ no rise

- If a 90° elbow is used in the horizontal vent run (level height maintained), the maximum horizontal vent length is reduced by 36 in. (914 mm) (Fig. 23). This does not apply if the 90° elbows are used to increase or redirect a vertical rise.

  Example: According to the vent graph (Fig. 17), the maximum horizontal vent length in a system with a 7 **1/2** in. vertical rise is 20 ft. (6.1 m), but if a 90° is required in the horizontal vent, it must be reduced to 17 ft. (5.2 m).

NOTE: The sum of Dim. A and Dim. B must not be greater than 17 ft. (5.2 m). See Fig. 23.

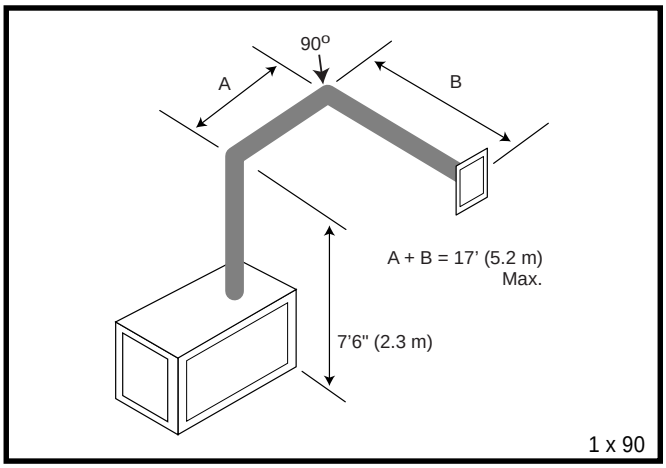


Fig. 23 Horizontal run reduction

- The maximum number of 45° elbows permitted per side wall installation is two (2). These elbows can be installed in either the vertical or horizontal run.
- For each 45° elbow installed in the horizontal run, the length of the horizontal run MUST be reduced by 18 in. (45 cm). This does not apply if 45° elbows are installed on the vertical part of the vent system.
- The maximum number of elbow degrees in a system is 270°. Example shown in Fig. 24:

Elbow 1	=	90˚
Elbow 2	=	45˚
Elbow 3	=	45˚
Elbow 4	=	90˚
Total Angular Variation	=	270˚

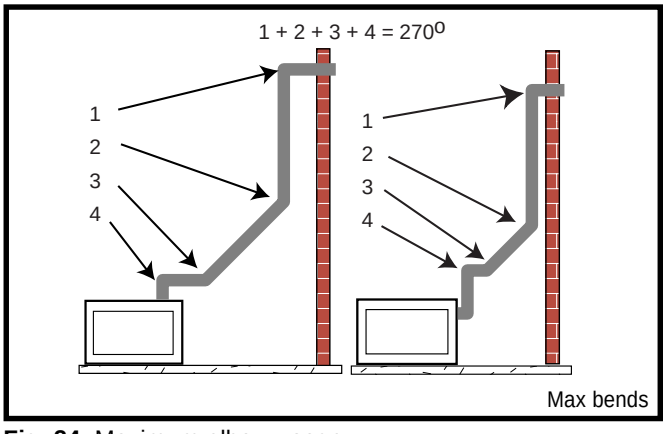


Fig. 24 Maximum elbow usage

Vertical Side Wall Installations

STEP 1
Locate and cut vent opening in the side wall. It may be necessary to first position the fireplace and measure to obtain the hole location. Depending on whether the wall is combustible or noncombustible, cut the opening to size per Fig. 25.

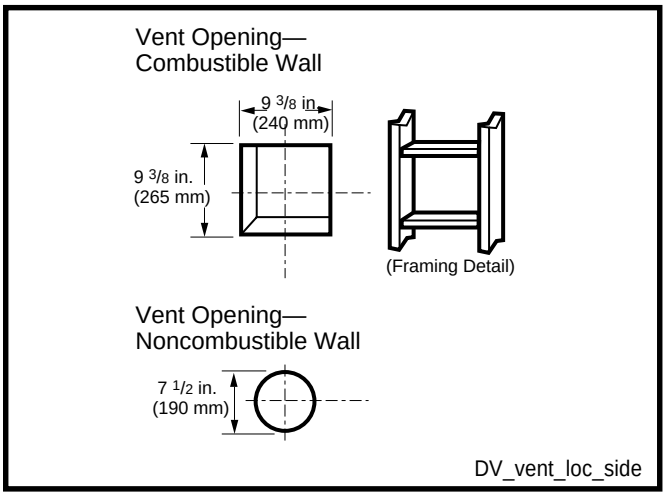


Fig. 25 Locate vent opening on side wall

For combustible walls: Cut a rectangular hole measuring 9 **3/8** in.H x 9 **3/8** in.W (240 mm x 240 mm) through the exterior wall and frame. Frame in the opening per Fig. 25.

For noncombustible walls: Cut a round hole measuring 7 **1/2** in. (190 mm) diameter through the exterior wall and frame (Fig. 25).

STEP 2
For combustible walls: Measure wall thickness and cut zero clearance sleeve parts to proper length. Max. length is 12 in. (305 mm). Assemble the sleeve and attach it to the firestop with #8 sheet metal screws (supplied). Install the firestop assembly (Fig. 26).

NOTE: Zero clearance sleeve is required only for combustible walls.

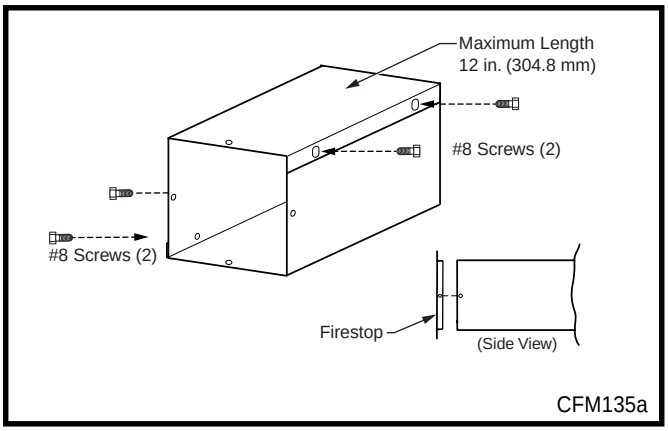


Fig. 26 Adjustable zero clearance sleeve

STEP 3
Place fireplace into position (Fig. 27). Measure the vertical height (X) required from the base of the flue collars to the center of the wall opening.

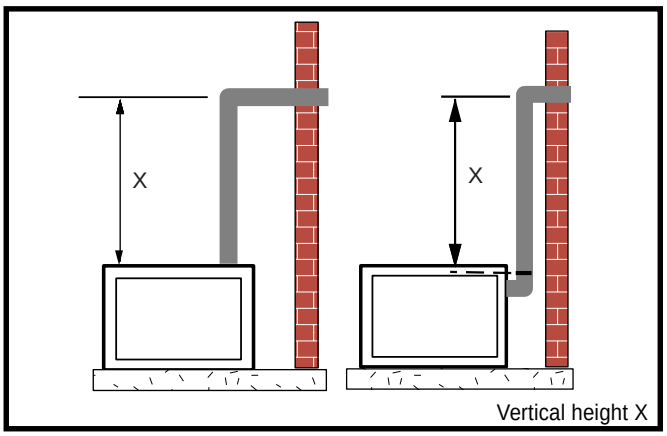


Fig. 27 Vertical height requirement

STEP 4
Apply a bead of silicone to the inner and outer flue collars of the fireplace and using appropriate length of pipe section(s) attach to fireplace with three (3) screws. Follow with the installation of the inner and outer elbow, again secure joints as described in "Connecting Vent Pipes" section.

STEP 5
Measure the horizontal length requirement including a 2" (51 mm) overlap, i.e. from the elbow to the outside wall face plus 2" (51 mm) (or the distance required if installing a second 90° elbow. (Fig. 28).

Always install horizontal venting on a level plane.

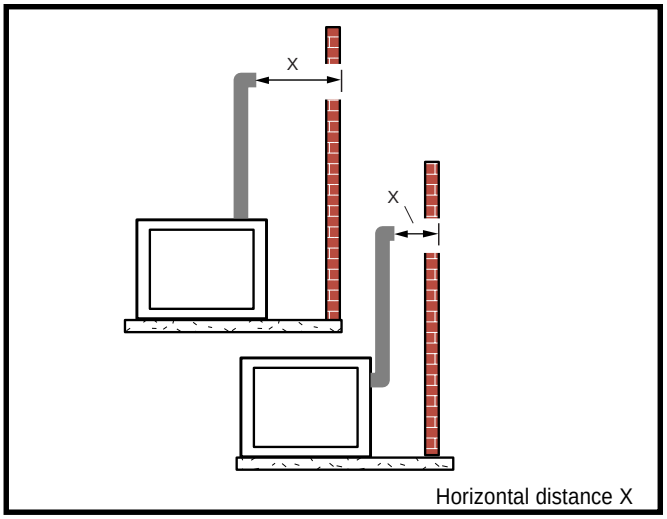


Fig. 28 Horizontal length requirements

STEP 6
Use appropriate length of pipe section—telescopic or fixed—and install. The 20” (508 mm) section of pipe which goes through the wall is packaged with the 7DVSK starter kit, and can be cut to suit if necessary.

Seal vent pipe and firestop gaps with high temperature sealant to restrict cold air being drawn in around the fireplace.

STEP 7
Apply high temperature sealant to 4” (102 mm) and 7” (178 mm) collars, or to the termination 1” (25 mm) away from the crimped end. Guide 4” and 7” collars of vent terminations into respective vent pipes. Double check vent pipes to see that they overlap the collars by 2” (51 mm). Secure termination to the wall with screws provided, and caulk around the wall plate to weatherproof.

One alternative to screwing the termination directly to the wallis the use of expanding plugs or an approved exterior construction adhesive.

Or, you may attach the termination with screws through the inner body into the 4” (102 mm) vent pipe; however, for this method, you must extend the 4” (102 mm) pipe approximately 6” (153 mm) beyond the outer face of the wall.

Support the horizontal pipes with metal pipe straps every 3’ (91 cm).

Below Grade Installations

When it is not possible to meet required vent terminal clearances of 12 in. (305 mm) above grade level, we recommend using a starter kit. It allows installation depth down to 7 in. (178 mm) below grade level. Measure 7 in. (178 mm) from the center of the horizontal vent pipe as it penetrates through the wall.

NOTE: Ensure sidewall venting clearances are observed. If venting system is installed below ground, we recommend a window well with adequate and proper drainage.

If installing a snorkel, a minimum 24 in. (610 mm) vertical rise is necessary. The maximum horizontal run with 24 in. (610 mm) vertical pipe is 36 in. (915 mm). The measurement is taken from the collar of the fireplace (or transition elbow) to the face of exterior wall. See sidewall vent graph, page 15, for extended horizontal runs if the vertical exceeds 24 in. (610 mm).

1. Establish vent hole through the wall (Fig. 24).
2. Remove soil to depth of about 16 in. (406 mm) below base of snorkel. Install window well (not supplied). Refill hole with 12 in. (305 mm) of coarse gravel, leaving a clearance of about 4 in. (102 mm) below snorkel (Fig. 28).
3. Install vent system.
4. Ensure a watertight seal is made around the vent pipe coming through the wall.
5. Apply high-temperature sealant caulking (supplied) around 4 in. and 7 in. snorkel collars.
6. Slide snorkel into vent pipes and secure to wall.
7. Level the soil so as to maintain a 4 in. (102 mm) clearance below snorkel (Fig. 29).

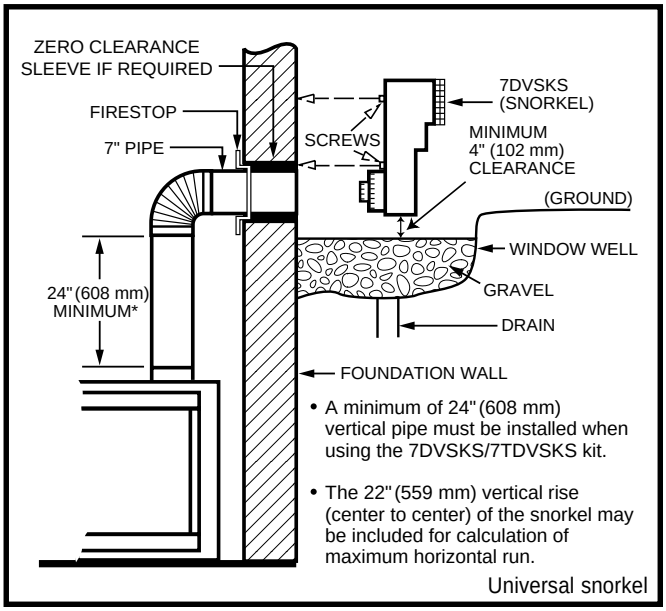

ZERO CLEARANCE SLEEVE IF REQUIRED
FIRESTOP
7" PIPE
SCREWS
7DVSKS (SNORKEL)
MINIMUM 4" (102 mm) CLEARANCE
(GROUND)
WINDOW WELL
GRAVEL
DRAIN
24" (608 mm) MINIMUM*
FOUNDATION WALL
• A minimum of 24" (608 mm) vertical pipe must be installed when using the 7DVSKS/7TDVSKS kit.
• The 22" (559 mm) vertical rise (center to center) of the snorkel may be included for calculation of maximum horizontal run.
Universal snorkel

Fig. 29 Below grade installation

Do not backfill around the snorkel. A clearance of at least 4” (102 mm) must be maintained between the snorkel and the soil.

If the foundation is recessed, use recess brackets (not supplied) for securing lower portion of the snorkel. Fasten brackets to wall first, then secure to snorkel with self drilling #8 x 1/2 sheetmetal screws. It will be necessary to extend vent pipes out as far as protruding wall face (Fig. 30).

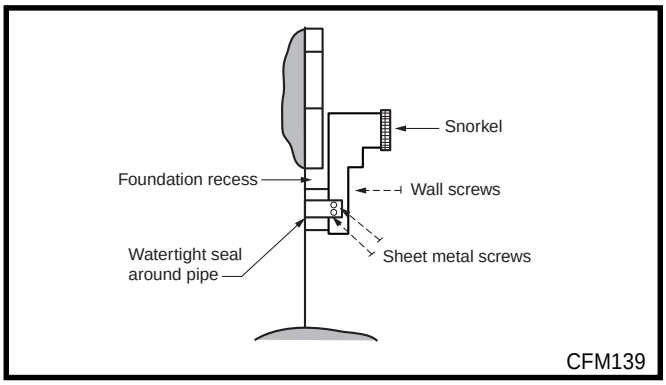


Fig. 30 Snorkel installation/ recessed foundation

Vertical Through-the-Roof Applications

This Gas Fireplace has been approved for:

- Vertical installations up to 40 ft. (12 m) in height. Up to a 10 ft. (3 m) horizontal vent run can be installed within the vent system using a maximum of two 90° elbows (Fig. 31).

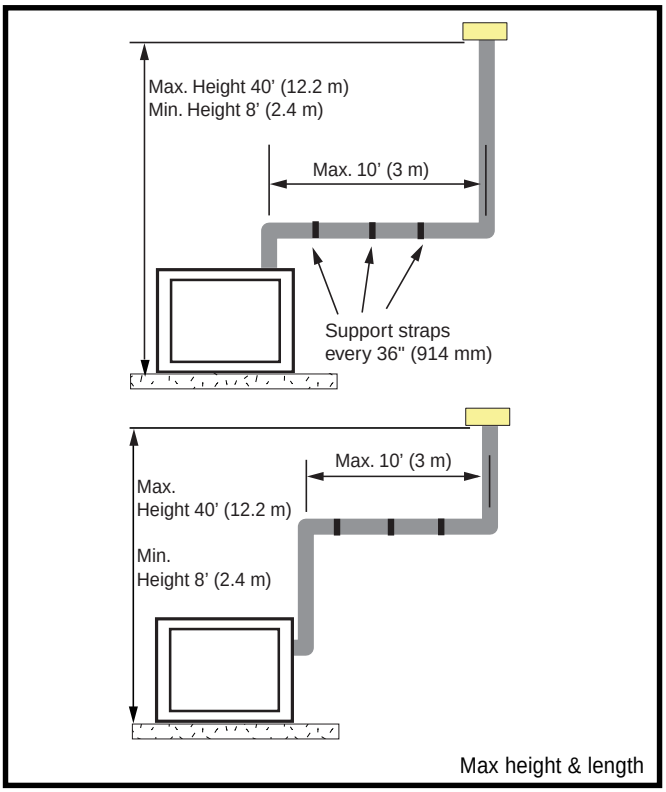


Fig. 31 Support straps for horizontal runs

- Up to two 45° elbows may be used within the horizontal run. For each 45° elbow used on the horizontal level the maximum horizontal length must be reduced by 18 in. (457 mm).

  Example: Maximum horizontal length—

Zero	elbows	=	10 ft. (3 m)
1 x 45°	elbows	=	8 1/2 ft. (2.6 m)
2 x 45°	elbows	=	7 ft. (2.1 m)

- A minimum of an 8 ft. (2.43 m) vertical rise.
- Two (2) sets of 45° elbow offsets may be used within the vertical sections. From zero to max 8 ft. (2.43 m) vent pipe can be used between elbows (Fig. 31).
- 7DVCS supports offsets (Fig. 34). This application will require you first determine the roof pitch and use the appropriate starter kit. See Venting Components List, pages 22 and 23.
- The maximum angular variation allowed in the system is 270˚ (Fig. 32).

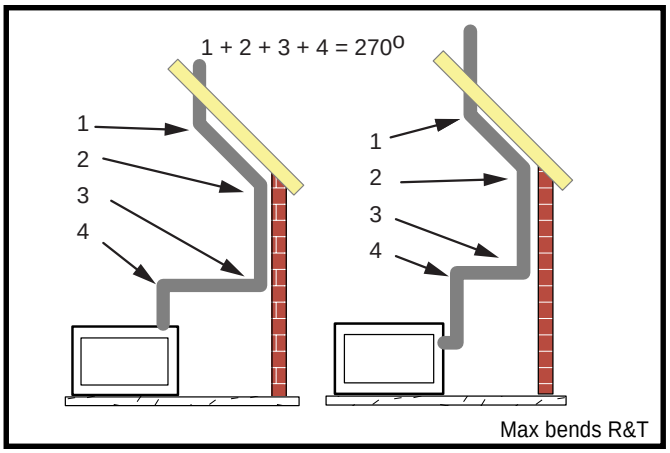


Fig. 32 Maximum elbow usage

- The minimum height of the vent above the highest point of penetration through the roof is 2' (610 mm) (Fig. 33).

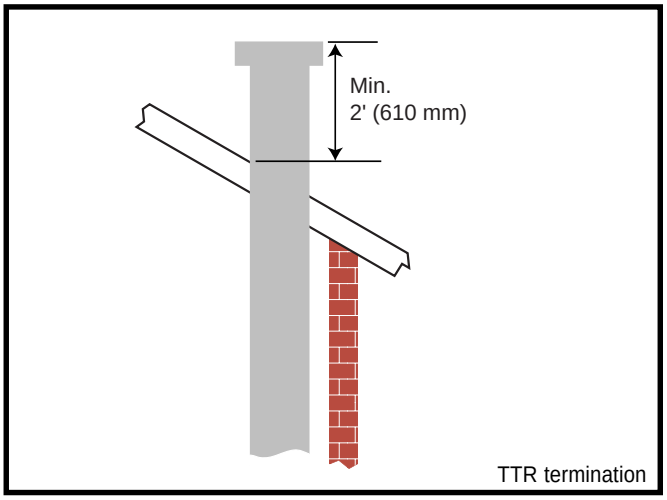


Fig. 33 Maximum termination to roof clearance

Vertical Through-the-Roof Installation

1. Locate your fireplace.
2. Plumb to center of the (4") flue collar from ceiling above and mark position.
3. Cut an opening equal to 9 3/8" x 9 3/8" (240 mm x 240 mm).
4. Proceed to plumb for additional openings through the roof. In all cases, the opening must provide a minimum of 1" (25 mm) clearance to the vent pipe, i.e., the hole must be at least 9 3/8" x 9 3/8" (240 mm x 240 mm).
5. Place fireplace into position.
6. Place firestop(s) #7DVFS or Attic Insulation Shield #7DVAIS into position and secure (Fig. 36).
7. Install roof support (Fig. 34) and roof flashing making sure upper flange is below the shingles (Fig. 35).
8. Install appropriate pipe sections until the venting is above the flashing (Fig. 35).
9. Install storm collar and seal around the pipe.
10. Add additional vent lengths for proper height (Fig. 33).
11. Apply high temperature sealant to 4" and 7" collars of vertical vent termination and install.

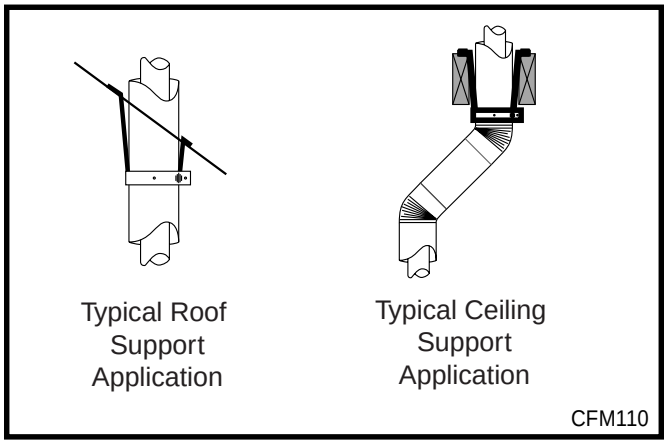


Fig. 34 Chimney support

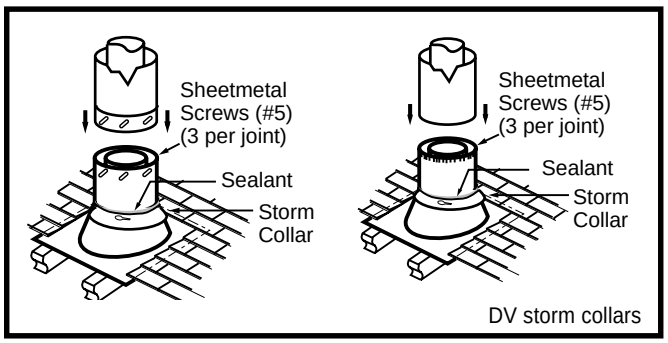


Fig. 35 Roof flashing

If there is a room above ceiling level, a firestop spacer must be installed on both the bottom and the top sides of the ceiling joists (Fig. 36). If an attic is above ceiling level, a 7DVAIS (Attic Insulation Shield) must be installed.

NOTE: The enlarged ends of the vent sections are to always face downward.

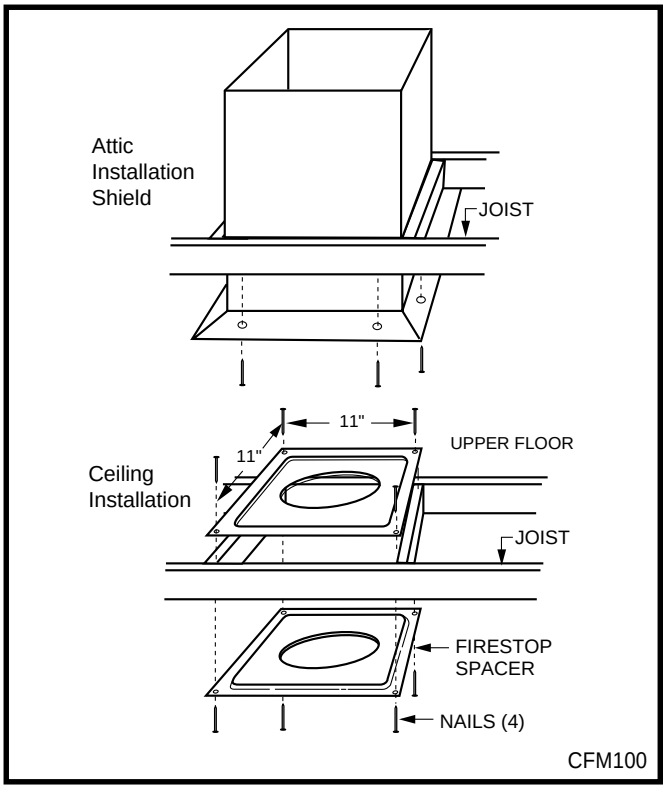
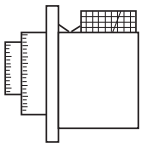
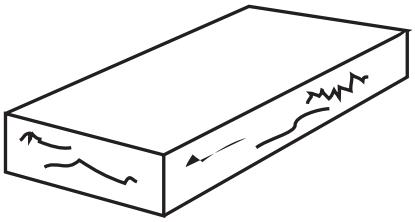
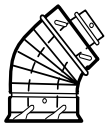
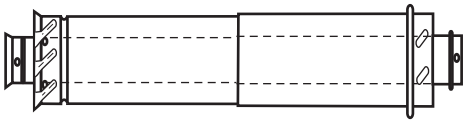
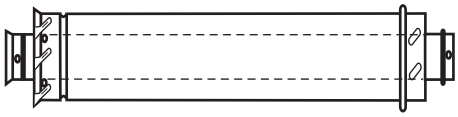
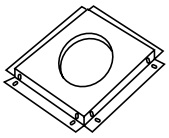
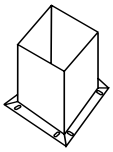
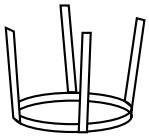
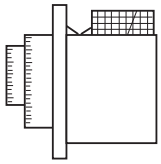
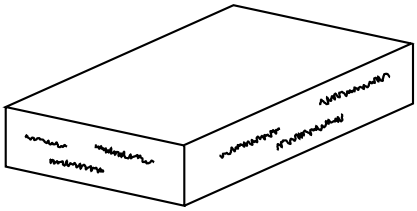
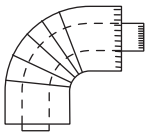
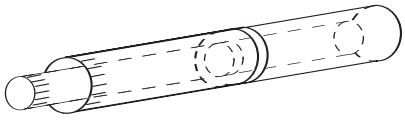
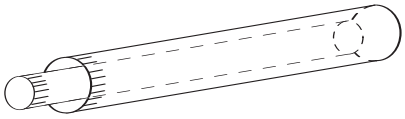
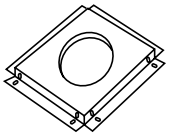
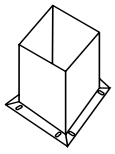
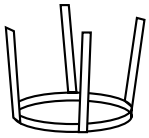


Fig. 36 Firestops and attic insulation shield

Twist Lock Venting Components	
	7 DVRVT Through-the-Wall Rear Vent Termination
	Starter Kit Model 7TDVSK—Sidewall/ Rearwall Venting Starter Kit Model 7TDVSKV—Vertical Venting • for 7TDVSKV-A: order 1/12 to 6/12 roof pitch • for 7TDVSKV-B: order 7/12 to 12/12 roof pitch • for 7TDSKV-F: order flat roof Starter Kit Model 7TDVSKS, Snorkel Kit • for Below Grade Installation
	45˚ Elbow Kit • 7TDVT45 for Vertical Installation Offsets
	90˚ Transition Elbow Kit: • 7TDVRT90 for Vertical Sidewall Applications or through-the-roof
	Telescopic Vent Sections: • 7TDVP1218 12” to 18” adjustable length • 7TDVP3564 35” to 64” adjustable length
	Pipe Sections for vertical or horizontal venting: • Model 7TDVP8” 4 per box • Model 7TDVP12” 4 per box • Model 7TDVP24” 4 per box • Model 7TDVP36” • Model 7TDVP48”
	Firestop Spacer • Model 7DVFS
	Attic Insulation Shield • Model 7DVAIS
	Vertical/ Horizontal Combination Offset Support • Model 7DVCS

Crimped End Venting Components	
	7 DVRVT Through-the-Wall Rear Vent Termination
	Starter Kit Model 7DVSK—Sidewall/Rearwall Venting Starter Kit Model 7TDVSKV—Vertical Venting • for 7DVSKV-A: order 1/12 to 6/12 roof pitch • for 7DVSKV-B: order 7/12 to 12/12 roof pitch • for 7DSKV-F: order flat roof Starter Kit Model 7TDVSKS—Snorkel Kit • for Below Grade Installation
	45˚ Elbow Kit: • 7DVT45 for Vertical Installation Offsets
	90˚ Transition Elbow Kit: • 7DVRT90 for Vertical Sidewall Applications or through-the-roof.
	Telescopic Vent Sections • 7DVP610 6” to 10” adjustable length • 7DVP1018 10” to 18” adjustable length • 7DVP1834 18” to 34” adjustable length • 7DVP3466 34” to 66” adjustable length
	Pipe sections for vertical or horizontal venting: • Model 7DVP8” 4 per box • Model 7DVP12” 4 per box • Model 7DVP24” 4 per box • Model 7DVP36” • Model 7DVP48”
	Firestop Spacer • Model 7DVFS
	Attic Insulation Shield • Model 7DVAIS
	Vertical/ Horizontal Combination Offset Support • Model 7DVCS

Operating Instructions

Glass Information

Only glass approved by Vermont Castings, Majestic Products should be used on this fireplace.

- The use of any nonapproved replacement glass will void all product warranties.
- Care must be taken to avoid breakage of the glass.
- Under no circumstances should this appliance be operated without the front glass in place, or with the glass in a damaged condition.
- Replacement glass (complete with gasket) is available through your Vermont Castings, Majestic Products dealer and should only be installed by a licensed qualified service person.

Louvre Removal

- The top side and top end louvres are removed by simply lifting the louvre assembly and pulling the assembly away from the fireplace (Fig. 37).
- The lower side louvres are hinged along there lower edge and are folded down for access to components in the base cavity of the fireplace.
- The lower end louvre assembly on the 360DV S3/ SL/ SR units is removed in the same manner as the top louvre assemblies.

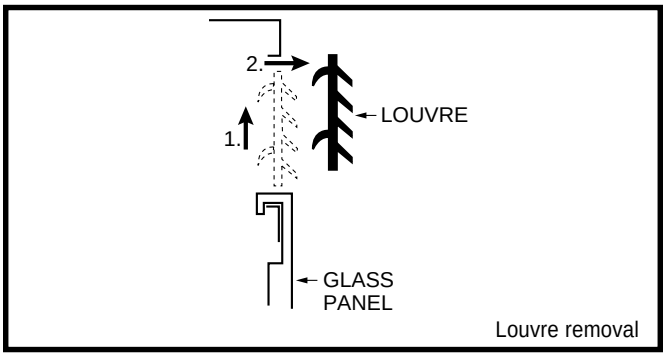


Fig. 37 Remove louvre assembly top

Window Frame Removal

Side Window Frame Assemblies

1. Shut off the gas supply.
2. Allow the fireplace to cool if it has been in operation.
3. Remove the top louvre assembly.
4. Lower the bottom louvre assembly.
5. Release the two clamps along lower edge of the frame by pulling down on clamp handles (Fig. 38).
6. Tilt lower edge of frame out slightly and lift window frame assembly up and away from the fireplace.
7. To reinstall the window frame assembly reverse thisprocedure.

End Window Frame Assembly

1. Remove the top and bottom louvre assembly.
2. Remove the lower window trim (held in place with magnets).
3. Remove both lower retaining screws. Access to these screws is gained through the holes along the lower edge of the frame behind the trim (Fig. 39).
4. Tilt lower edge of frame out slightly and lift window frame assembly up and away from the fireplace.
5. To reinstall the window frame assembly reverse the process.

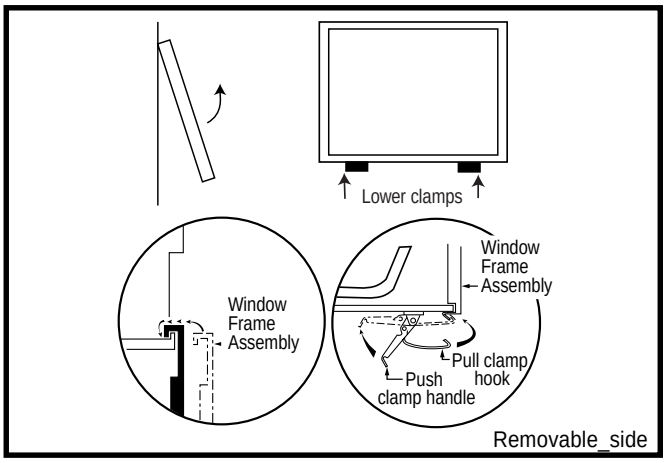


Fig. 38 Window frame assembly removal

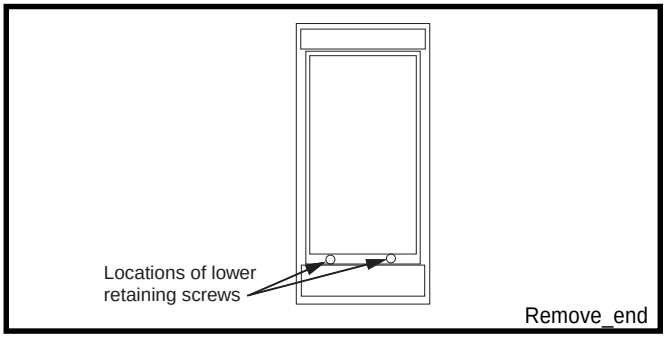


Fig. 39 Retaining screw

Glass Cleaning

It is necessary to periodically clean glass. During startup, condensation, which is normal, forms on the inside of the glass. This condensation causes lint, dust and other airborne particles to cling to glass surface.

Also initial paint curing may deposit a slight film on the glass. It is therefore recommended glass be cleaned two or three times with a nonammonia based household cleaner and warm water. The use of we fireplace glass cleaner is recommended within the first few weeks of operation.

After the initial cleaning process the glass should be cleaned two or three times during each operating season depending on the environment in the house.

Clean the glass after the first two weeks of operation.

DO NOT clean the glass when it is hot.

DO NOT use an abrasive cleaner.

DO NOT strike or slam the glass.

Ceramic Refractory Installation

The vertical refractory panels are installed in the unit prior to shipment. For assembly procedures, refer to Fig. 40.

1. Unpack the ceramic refractory panels from the carton.

Handle the refractory material carefully, the panels are fragile.

2. Place the two end floor refractory panels on the base of the fireplace.
3. Place both side panels along the side of the base.

NOTE: 360DVS2 is the only 360DV unit that is fitted with two (2) end verical panels, as shown in Fig. 40. 360DVSL and 360DVSR units are each fitted with one end vertical panel and one side vertical panel.

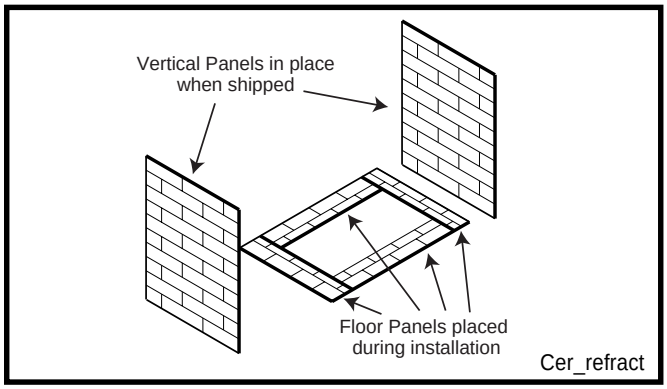


Fig. 40 Ceramic panel installation

Installation of Logs

See Fig. 41 and Fig. 42 for log location and alignment.

Because of the log stack design, these instructions can be followed from either side of the fireplace. To follow these instructions, identify the logs by the number cast into the underside.

For correct operation of the fireplace, the logs must be correctly placed in the sequence described below:

1. Unpack the logs from the shipping carton. The logs are fragile; handle them carefully.

Handle and dispose of plastic bags in which logs were shipped in a safe manner. As with all plastics, they are not toys and should be kept away from infants.

2. Remove at least one side window frame assembly.
3. Place the **left-rear (B39)** and **right-front (B39)** logs in place on the grate. The square hole in the underside of the logs locates over the corner legs of the grate. The inner ends of the log point to the center of the burner.
4. Place the **left-front (B40)** and **right-rear (B40)** logs in place. Again the square holes fit over the corner legs of the grate. The inner ends of these logs have a recess in the underside which locates over knobs on the top of the B39 logs to secure the inner ends in place.
5. Place the l**eft-rear-top (B44)** and **right-front-top (B44)** logs in place. The notch on the outer end of these logs locates around the third outer prong on the grate and the inner ends rest on lugs on the top of the corner logs.
6. Place the **left-front-top (B41)** and **right-rear-top (B41)** logs in place. These logs have a step on the outer end that rests against the prong of the grate and the inner ends rests on top of the other two top logs (B44) placed in step 5.

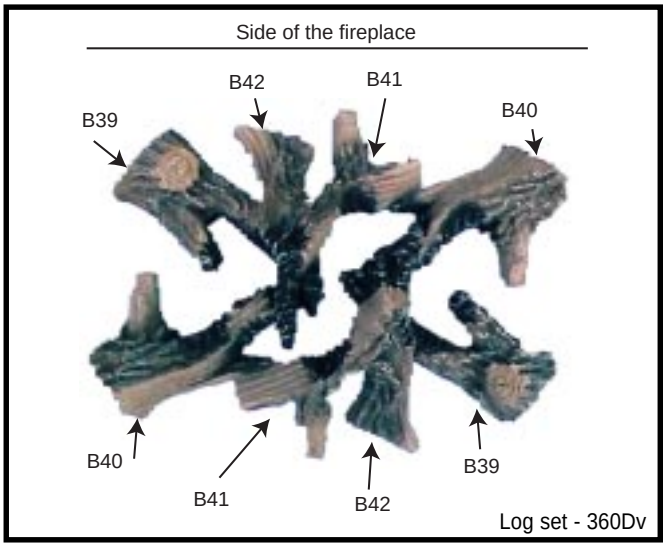


Fig. 41 Plan view log placement

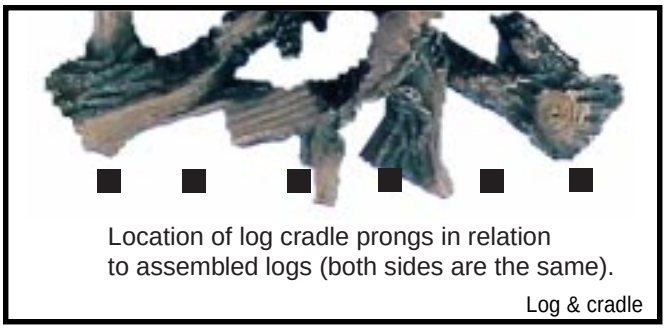


Fig. 42 Logs against log cradle prongs

Lava Rock & Ember Material

Your log set contains Ember Material and two types of Lava Rocks. Set these materials in place after the logs have been installed.

Ember Material (Pt. #10000055)
Remove ember material from the bag and separate it into small pieces, then scatter it over burner tiles in a random fashion. **DO NOT pack down ember material;** leave it in a 'fluffy' state.

Burner Lava Rocks (Pt. #57897)
Remove burner lava rocks from packaging and spread over burner tiles in a random fashion, filling in spaces between logs.

Lava Rock (Pt. #10001454)
Remove lav rock material from packaging and spread it over ceramic floor panels outside log stack. **DO NOT PLACE THIS LAVA ROCK material on burner tiles.**

Flame & Temperature Adjustment

RN/ RP Models
For units equipped with 'HI/LO' valves the flame adjustment is accomplished by rotating the 'HI/LO' adjustment knob located near the center of the gas control valve (Fig. 43 and Fig. 44).

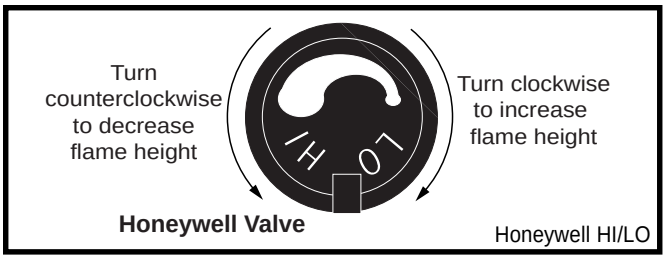


Fig. 43 Flame adjustment knob for Honeywell valve

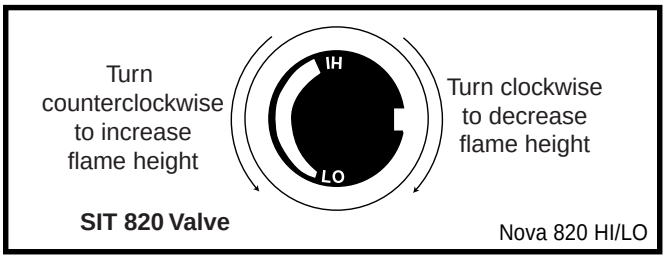


Fig. 44 Flame adjustment knob for SIT valve

Flame Characteristics

It is important to periodically perform a visual check of the pilot and burner flames. Compare them to the pictorials illustrated below (Fig. 45 and Fig. 46). If the flame patterns appear abnormal, contact a qualified service provider for service and adjustment.

Fig. 45 Correct burner flame appearance

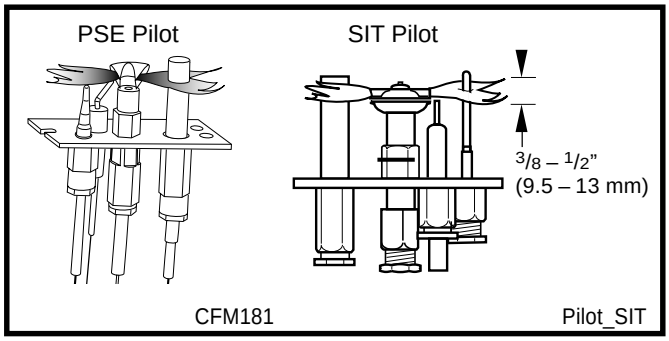


Fig. 46 Correct pilot flame appearance

Lighting and Operating Instructions

FOR YOUR SAFETY, READ BEFORE LIGHTING.

WARNING: If you do not follow these instructions exactly, a fire or explosion may result, causing property damage, personal injury or loss of life.

A. This heater has a pilot light, which must be lit manually. When lighting the pilot follow these instructions exactly:

B. BEFORE LIGHTING, smell all around the heater area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

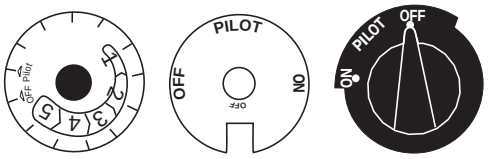
- **Do not try to light any fireplace.**
- **Do not touch any electric switch.**
- **Do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the Fire Department.**

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, do not try to repair it, call a qualified service technician. Applying force or any attempted repair may result in a fire or explosion.

D. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.

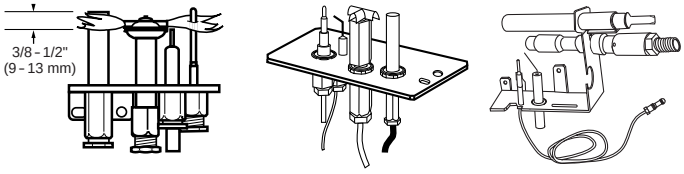
Lighting Instructions

1. **STOP!** Read the safety information above.
2. Turn off all electrical power to the fireplace.
3. For MN/MP/TN/TP appliances ONLY, go on to Step 4. For RN/RP appliances turn the On/Off switch to “OFF” position or set thermostat to lowest level.
4. Open control access panel.
5. Push in gas control knob slightly and turn clockwise to "OFF".



Euro SIT **SIT NOVA** **Honeywell**

6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above. If you do not smell gas, go to the next step.
7. Remove glass door before lighting pilot. (See Glass Frame Removal section).
8. Visibly locate pilot by the main burner.
9. Turn knob on gas control counterclockwise to "PILOT".
10. Push the control knob all the way in and hold. Immediately light the pilot by repeatedly depressing the piezo spark igniter until a flame appears. Continue to hold the control knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 8.



- If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
- If after several tries, the pilot will not stay lit, turn the gas control knob to "OFF" and call your service technician or gas supplier.

11. Replace glass door.
12. Turn gas control knob to “ON” position.
13. For RN/RP appliances turn the On/Off switch to “ON” position or set thermostat to desired setting.
14. Turn on all electrical power to the fireplace.

To Turn Off Gas to Heater

1. Turn the On/Off switch to Off position or set the thermostat to lowest setting.
2. Turn off all electric power to the fireplace if service is to be performed.
3. Open control access panel.
4. Push in gas control knob slightly and turn clockwise to "OFF". Do not force.
5. Close control access panel.

Lighting and Operating Instructions

For Fireplaces equipped with SIT822 Gas Valve (EN or EP)

Warning: **If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury and loss of life.**

For your safety, read the following warnings before lighting the appliance:

A. This fireplace is equipped with an ignition device which automatically lights the pilot. **DO NOT** try to light the pilot by hand.

B. **BEFORE OPERATING**, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than the air and will settle on the floor.

What to do if you smell gas

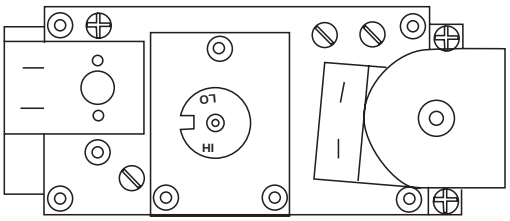
- **Do not try to light any appliance**
- **Do not operate any electrical switch.**
- **Do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas suppliers instructions.**
- **If you cannot contact your gas supplier call the Fire Department**

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand do not try to repair it, call a qualified service technician. Force or attempting repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and any gas control that has been under water.

Lighting Instructions

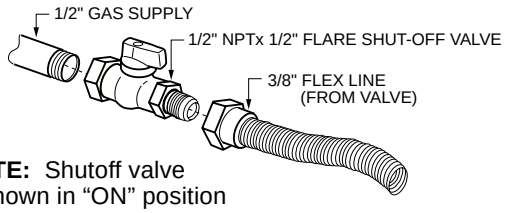
1. **STOP!** Read the safety information above before continuing.
2. Turn off all electrical power to the appliance.
3. This appliance is equipped with an ignition device which automatically lights the pilot. **DO NOT try to light the pilot by hand.**
4. Access the gas control by lowering the lower access door (louvre assembly).



5. Turn the remote switch, if used, OFF. Turn the wireless remote, if used, OFF.
6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas STOP. Follow instructions B in the safety warnings above. If you do not smell gas go onto the next step.
7. Close the access door.
8. Turn ON all electrical power to the appliance.
9. Turn remote switch or wireless remote to ON.
10. If the appliance will not operate, follow the instructions "Turning Off the Gas to the Appliance" (below), and call your service technician or gas supplier.

Turning Off the Gas to the Appliance

1. Turn the remote switch to the "OFF" position.
2. Turn OFF all electrical power to the fireplace if service is required.
3 Open the lower access panel.
4. Turn the shutoff valve on the flexible gas line to the "OFF" position.



NOTE: Shutoff valve is shown in "ON" position

Troubleshooting the Gas Control System

SIT NOVA 820 MILLIVOLT VALVE

NOTE: Before troubleshooting the gas control system, be sure external gas shut off is in the "On" position.

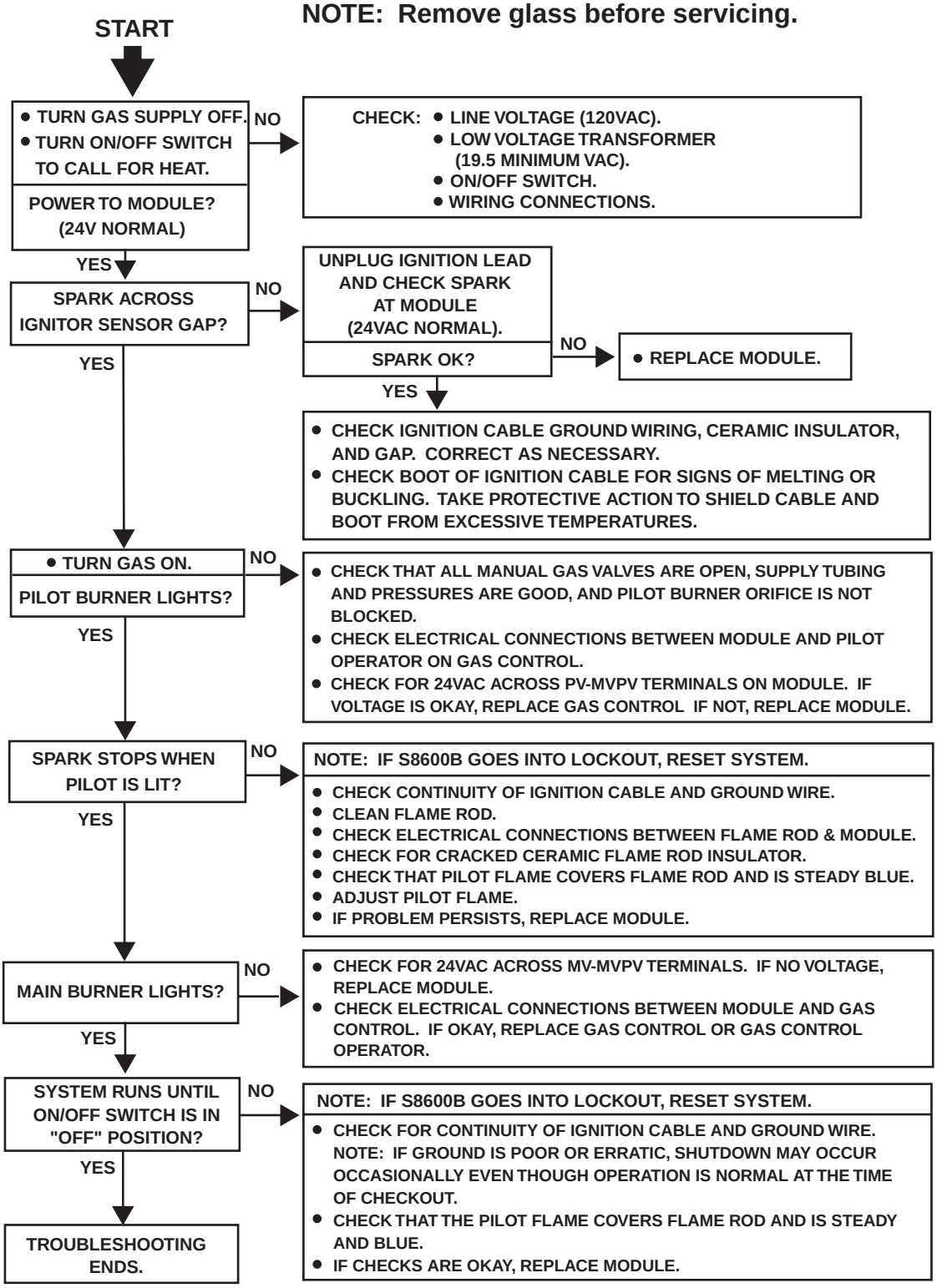
WARNING: REMOVE GLASS FRONT BEFORE DOING ANY GAS CONTROL SERVICE WORK.

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
1. Spark ignitor will not light	A. Defective or misaligned electrode at pilot.	Using a match, light pilot. If pilot lights, turn off pilot and push the red button again. If pilot will not light, check the gap at electrode and pilot; it should be 1/8" to have a strong spark.
	B. Defective ignitor (Push Button)	Push piezo Ignitor Button. Check for spark at electrode and pilot. If no spark to pilot, and electode wire is properly connected, replace ignitor.
2. Pilot will not stay lit after carefully following lighting instructions.	A. Defective pilot generator (thermocouple), remote wall switch.	Check pilot flame. Must impinge on thermocouple/ thermopile. NOTE: This pilot burner assembly utilizes both a thermocouple and a thermopile. The thermocouple operates the main valve operation (ON/OFF). Clean and/or adjust pilot for maximum flame impingement on thermopile and thermocouple.
	B. Defective automatic valve	Turn valve knob to "Pilot." Maintain flow to pilot; millivolt meter should read greater than 10 mV. If the reading is okay and the pilot does not stay on, replace the gas valve. NOTE: An interrupter block (not supplied) must be used to conduct this test.
3. Pilot burning, no gas to main burner	A. Wall switch or wires defective	Check wall switch and wires for proper connections Jumper wire across terminals at wall switch; if burner comes on, replace defective wall switch. If okay, jumper wires across wall switch wires at valve; if burner comes on, wires are faulty or connections are bad.
	B. Thermopile may not be generating sufficient millivoltage.	1. Be sure wire connections from thermopile at gas valve terminals are tight and thermopile is fully inserted into pilot bracket. 2. One of the wall switch wires may be grounded. Remove wall switch wires from valve terminals if pilot now stays lit, trace wall switch wiring for ground. May be grounded to fireplace or gas supply. 3. Check thermopile with millivolt meter. Take reading at thermopile terminals of gas valve—should read 250-300 millivolts (minimum 150) while holding valve knob depressed in pilot position and wall switch "OFF." Replace faulty thermopile if reading is below specified minimum.
	C. Plugged burner orifice.	Check burner orifices for debris and remove.
	D. Defective automatic valve operator.	Turn valve knob to "ON," place wall switch to "ON" — millivolt meter should read greater than 100 mV. If the reading is okay and the burner does not come on, replace the gas valve.
4. Frequent pilot outage problem.	A. Pilot flame may be too low or blowing (high) causing the pilot safety to drop out.	Clean and/or adjust pilot flame for maximum flame impingement on thermopile and thermocouple.
	B. Possible blockage of the vent terminal.	Check the vent terminal for blockage (recycling the flue gases)

Troubleshooting the Gas Control System

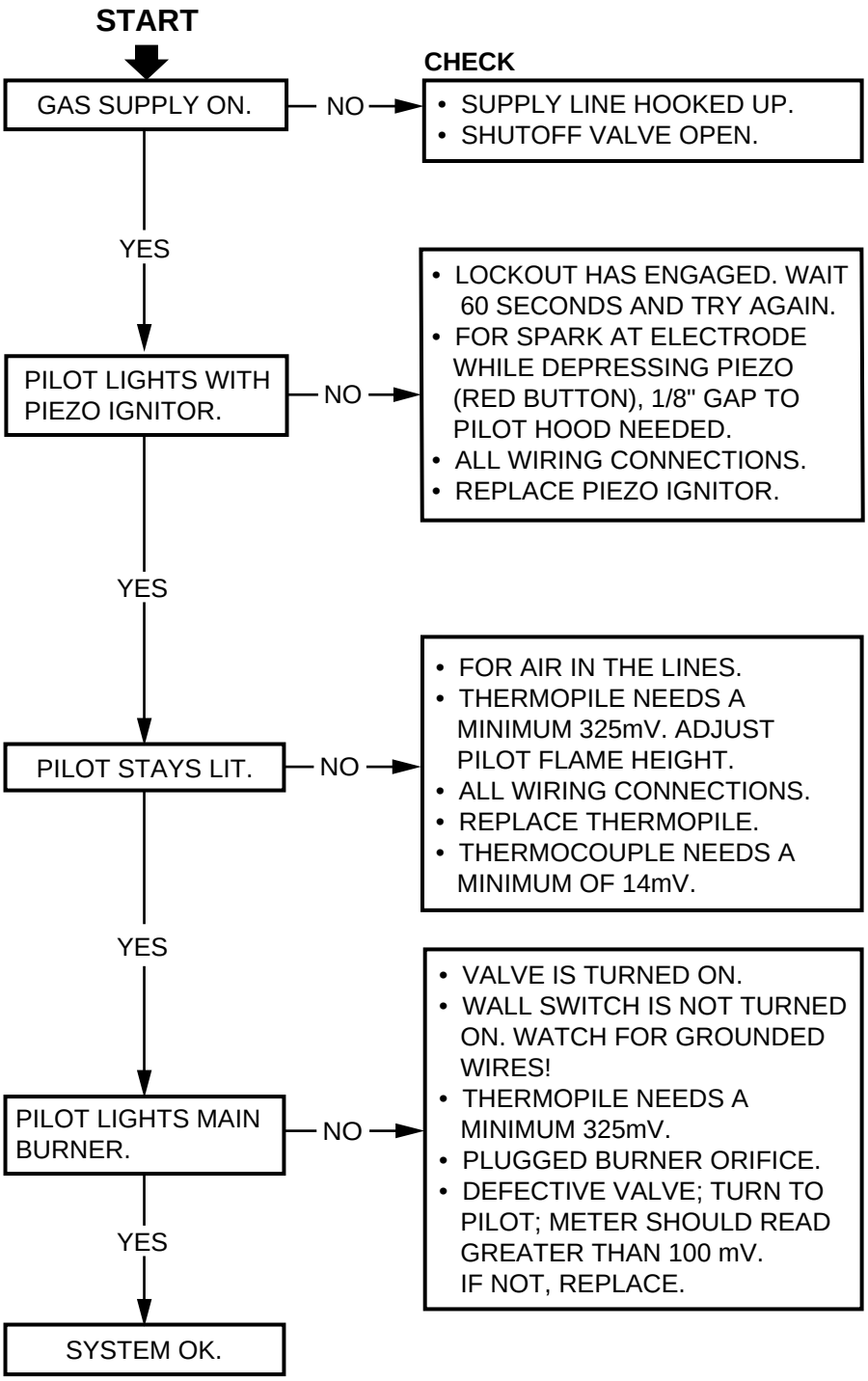
SIT 822 Valve with a Honeywell Electronic Igniter

NOTE: Remove glass before servicing.


START
• TURN GAS SUPPLY OFF.
• TURN ON/OFF SWITCH TO CALL FOR HEAT.
POWER TO MODULE? (24V NORMAL)
NO
CHECK:
• LINE VOLTAGE (120VAC).
• LOW VOLTAGE TRANSFORMER (19.5 MINIMUM VAC).
• ON/OFF SWITCH.
• WIRING CONNECTIONS.
YES
SPARK ACROSS IGNITOR SENSOR GAP?
NO
UNPLUG IGNITION LEAD AND CHECK SPARK AT MODULE (24VAC NORMAL).
SPARK OK?
NO
• REPLACE MODULE.
YES
• CHECK IGNITION CABLE GROUND WIRING, CERAMIC INSULATOR, AND GAP. CORRECT AS NECESSARY.
• CHECK BOOT OF IGNITION CABLE FOR SIGNS OF MELTING OR BUCKLING. TAKE PROTECTIVE ACTION TO SHIELD CABLE AND BOOT FROM EXCESSIVE TEMPERATURES.
YES
• TURN GAS ON.
PILOT BURNER LIGHTS?
NO
• CHECK THAT ALL MANUAL GAS VALVES ARE OPEN, SUPPLY TUBING AND PRESSURES ARE GOOD, AND PILOT BURNER ORIFICE IS NOT BLOCKED.
• CHECK ELECTRICAL CONNECTIONS BETWEEN MODULE AND PILOT OPERATOR ON GAS CONTROL.
• CHECK FOR 24VAC ACROSS PV-MVPV TERMINALS ON MODULE. IF VOLTAGE IS OKAY, REPLACE GAS CONTROL IF NOT, REPLACE MODULE.
YES
SPARK STOPS WHEN PILOT IS LIT?
NO
NOTE: IF S8600B GOES INTO LOCKOUT, RESET SYSTEM.
• CHECK CONTINUITY OF IGNITION CABLE AND GROUND WIRE.
• CLEAN FLAME ROD.
• CHECK ELECTRICAL CONNECTIONS BETWEEN FLAME ROD & MODULE.
• CHECK FOR CRACKED CERAMIC FLAME ROD INSULATOR.
• CHECK THAT PILOT FLAME COVERS FLAME ROD AND IS STEADY BLUE.
• ADJUST PILOT FLAME.
• IF PROBLEM PERSISTS, REPLACE MODULE.
YES
MAIN BURNER LIGHTS?
NO
• CHECK FOR 24VAC ACROSS MV-MVPV TERMINALS. IF NO VOLTAGE, REPLACE MODULE.
• CHECK ELECTRICAL CONNECTIONS BETWEEN MODULE AND GAS CONTROL. IF OKAY, REPLACE GAS CONTROL OR GAS CONTROL OPERATOR.
YES
SYSTEM RUNS UNTIL ON/OFF SWITCH IS IN "OFF" POSITION?
NO
NOTE: IF S8600B GOES INTO LOCKOUT, RESET SYSTEM.
• CHECK FOR CONTINUITY OF IGNITION CABLE AND GROUND WIRE. NOTE: IF GROUND IS POOR OR ERRATIC, SHUTDOWN MAY OCCUR OCCASIONALLY EVEN THOUGH OPERATION IS NORMAL AT THE TIME OF CHECKOUT.
• CHECK THAT THE PILOT FLAME COVERS FLAME ROD AND IS STEADY AND BLUE.
• IF CHECKS ARE OKAY, REPLACE MODULE.
YES
TROUBLESHOOTING ENDS.

Troubleshooting: Honeywell VS8421

Honeywell Millivolt Valve


START
GAS SUPPLY ON.
NO
CHECK
• SUPPLY LINE HOOKED UP.
• SHUTOFF VALVE OPEN.
YES
PILOT LIGHTS WITH PIEZO IGNITOR.
NO
• LOCKOUT HAS ENGAGED. WAIT 60 SECONDS AND TRY AGAIN.
• FOR SPARK AT ELECTRODE WHILE DEPRESSING PIEZO (RED BUTTON), 1/8" GAP TO PILOT HOOD NEEDED.
• ALL WIRING CONNECTIONS.
• REPLACE PIEZO IGNITOR.
YES
PILOT STAYS LIT.
NO
• FOR AIR IN THE LINES.
• THERMOPILE NEEDS A MINIMUM 325mV. ADJUST PILOT FLAME HEIGHT.
• ALL WIRING CONNECTIONS.
• REPLACE THERMOPILE.
• THERMOCOUPLE NEEDS A MINIMUM OF 14mV.
YES
PILOT LIGHTS MAIN BURNER.
NO
• VALVE IS TURNED ON.
• WALL SWITCH IS NOT TURNED ON. WATCH FOR GROUNDED WIRES!
• THERMOPILE NEEDS A MINIMUM 325mV.
• PLUGGED BURNER ORIFICE.
• DEFECTIVE VALVE; TURN TO PILOT; METER SHOULD READ GREATER THAN 100 mV. IF NOT, REPLACE.
YES
SYSTEM OK.

General Maintenance

Burner and Burner Compartment
It is important to keep the burner and the burner compartment clean. At least once per year remove the logs and lava rock/ember material. Vacuum and wipe out the burner compartment. Remove and refit the logs per the instructions in this manual.

Always handle the logs with care as they are fragile and may also be hot if the fireplace has been in use.

FK24/FK12 Fan Assembly
The fan unit requires periodic cleaning. At least once per month in the operating season, open the lower louvre panels and wipe or vacuum the area around the fan to remove any build up of dust or lint.

Brass Trim
Clean the brass trim pieces using a soft cloth lightly dampened with lemon oil. Do not use water or household cleaners on any brass components.

Converting the Appliance from LP to Natural Gas, or from Natural Gas to LP

The conversion of this appliance from one gas to another must be carried out by an authorized service provider.

1. Disconnect power to unit and shut off the gas supply.
2. Remove window frame assembly (see “Window Frame Assembly Removal” Section).
3. Carefully remove the logs and lava rock material.
4. Remove the screws holding the burner housing assembly in place.
5. Remove the burner housing assembly. On some models you may need to loosen the pilot bracket retaining screw/nut, and tilt the pilot and bracket assembly to gain sufficient clearance to remove the burner housing assembly.
6. Remove front and rear orifice and replace with orifice supplied in the conversion kit.

   NOTE: On 360DV/S2/S3/SL/SR, both burner orifices are the same size.
7. Remove the screws holding the air shutter to the burner tubes (Fig. 47). Note the alignment of the air shutter on the tubes. Remove the air caps and replace them with the new air shutters supplied in the conversion kit.

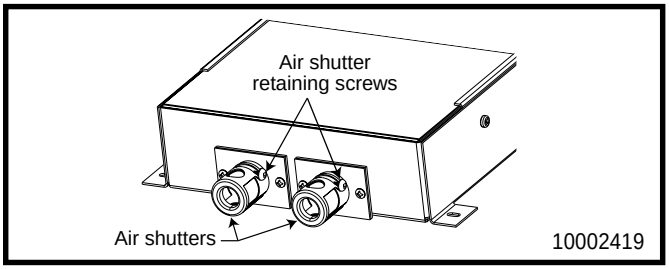


Fig. 47 Air shutter adjustment

8. **SIT Top Convertible Pilot**
   Gently lift off pilot hood from the pilot. NOTE: Do not remove the spring clip holding the hood in place. Using a correctly-sized Allen key, unscrew the exposed orifice. Insert the new orifice supplied in the kit; do not overtighten the orifice. Replace the pilot hood ensuring the index tab aligns with the notch on the hood.

   PSE Pilot
   Using a suitable wrench on hexagonal body, unscrew the pilot hood assembly from the pilot. Do not twist the hood itself. Remove the orifice and replace it with the new orifice supplied in the kit. Refit the pilot hood assembly. Do not overtighten the pilot hood. The hood must return to its original alignment. Take care not to damage the thermocouple, thermopile origniter.
9. **SIT 820 NOVA Gas Control Valve** (Fig. 48)
   a) Using a Torx T20 or slotted screwdriver, remove and save three (3) pressure regulator mounting screws (A), pressure regulator tower (B), and diaphragm (C).
   b) Ensure the rubber gasket (D) is properly positioned and install the new HI/LO pressure regulator to the valve using the new screws (E) supplied with the kit. Tighten the screws securely. (Reference torque: 25 in.lb.)
   c) Install the enclosed identification label (F) to the valve body where it can be easily seen.

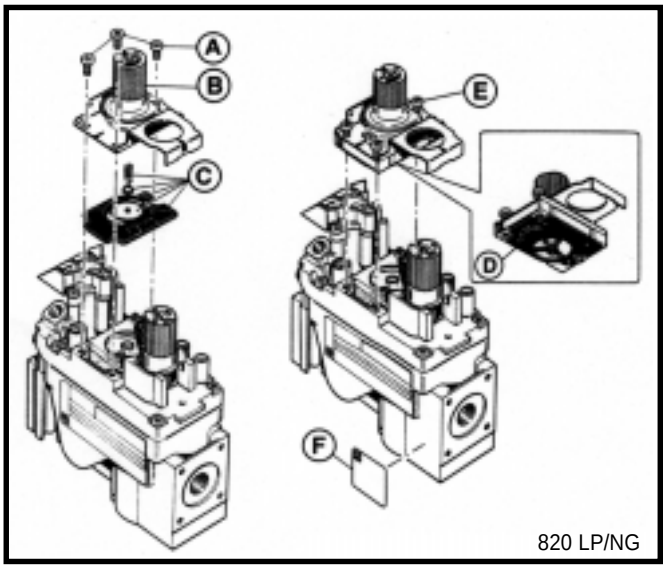


Fig. 48 SIT pressure regulator replacement

Honeywell Gas Control Valve (Fig. 49)

The Honeywell valve fitted to this unit is suitable for use with LP or Natural Gas. It is converted to the required gas application by installing a color-coded conversion screw.

a) Using a suitable small screwdriver, lift out the central regulator cap from the “HI/LO” knob on the valve.
b) Unscrew the exposed conversion screw.
c) Insert the new color coded conversion screw. Do not overtighten the screw; it must be finger-tight.
d) Refit the regulator cap.
e) Mount conversion label supplied with the conversion screw to the valve in a visible position.

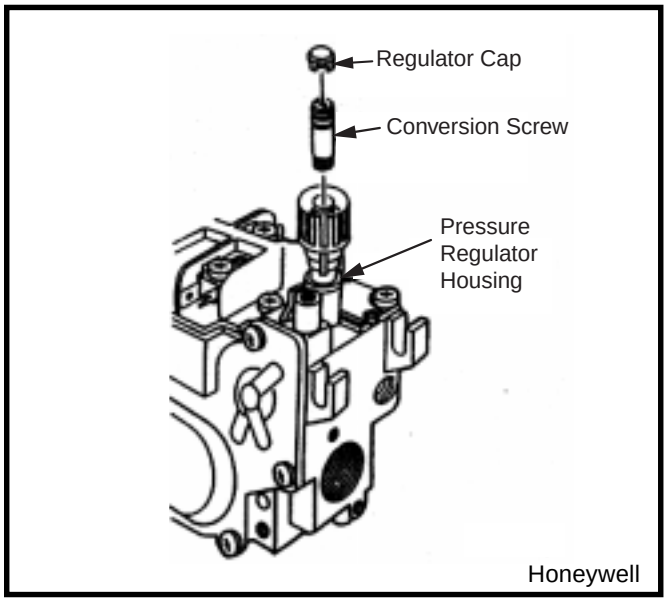


Fig. 49 Honeywell conversion screw replacement

10. Reassemble fireplace in the reverse order, except for the window frame assembly. Leave this off until after unit has been checked for leaks and the gas supply has been bled.
11. After bleeding the gas line and checking for leaks with a soap solution, replace the window frame assembly.
12. Fire up the unit. Check for flame impingement on the logs, adjusting them as necessary.
13. Check manifold and supply pressures against the appliance specifications.

The procedure for converting from one gas to another is the same regardless of the initial gas used. The only variations are in orifice sizes and component part numbers. Your authorized service provider will ensure correct parts are used.

Cleaning the Standing Pilot Control System

The burner and control system consists of:

- burner tube
- pilot assembly
- millivolt gas valve
- gas orifice
- thermopile

Most of these components may require only an occasional checkup and cleaning and some may require adjustment. **If repair is necessary, it should be performed by a qualified technician.**

1. Turn off pilot light at gas valve side.
2. Let fireplace cool if it has been running.
3. Remove window frame assembly. (Refer to Window Frame Assembly Removal section)
4. Remove logs.
5. Vacuum burner compartment especially around orifice primary air openings.
6. Visually inspect pilot. Brush or blow away any dust or lint accumulation.
7. Reinstall logs.
8. Ignite pilot; refer to Lighting Instructions.
9. Reinstall window frame assembly.

To obtain proper operation, it is imperative that the pilot and burner’s flame characteristics are steady, not lifting or floating.

Typically, the top $^{3}/_{8}$ – $^{1}/_{2}$” (9 – 13 mm) of the thermopile should be engulfed in the pilot flame (Fig. 46, page 26).

To adjust pilot burner (to be done by a qualified service technician):

1. Remove pilot adjustment cap.
2. Adjust pilot screw to provide properly sized flame.
3. Replace pilot adjustment cap.

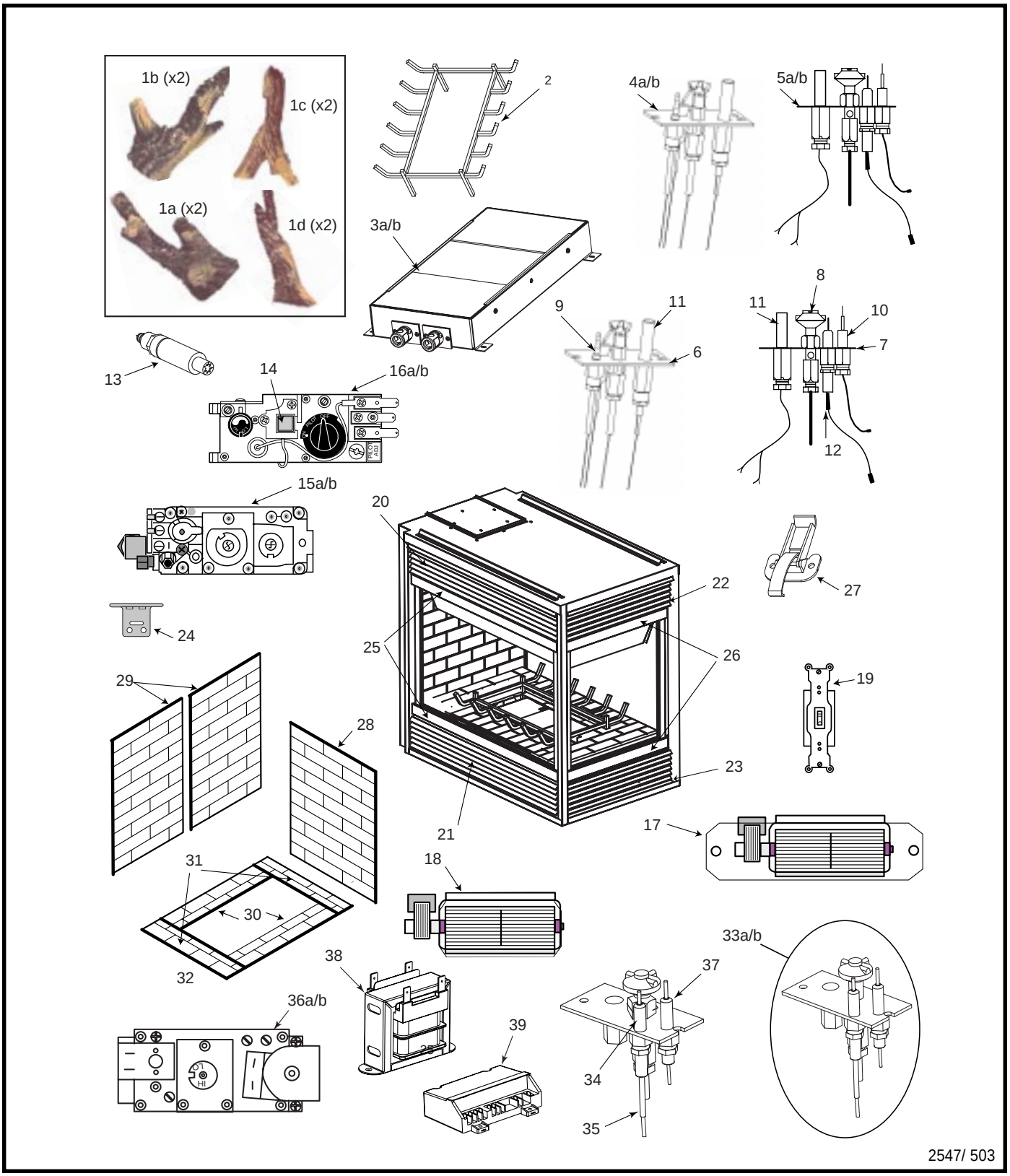
The primary air shutter is set at factory and should be adjusted, if necessary, only by a qualified service technician.

Cleaning Electronic Ignition System

The Electronic Ignition burner/control system consists of:

- main burner
- gas orifice
- pilot burner
- 24VAC valve with transformer

The process for taking care of Electronic Ignition units is identical to that for taking care of Standing Pilot models.



Vermont Castings, Majestic Products reserves the right to make changes in design, materials, specifications, prices and discontinue colors and products at any time, without notice.

360DVS Series

360DVS Series **(Items marked '*' are not shown in the parts illustration)**

Ref.	Description	360DVS2	360DVS3	360DVSL	360DVSR
1.	Log Set (complete)	10002523	10002523	10002523	10002523
1a.	Log - left rear & right front	B39	B39	B39	B39
1b.	Log - left front & right rear	B40	B40	B40	B40
1c.	Log - left front top & right rear top	B41	B41	B41	B41
1d.	Log - left rear top & right rear top	B44	B44	B44	B44
*	Ember material pack	10000550	10000550	10000550	10000550
*	Lava rock package	10001454	10001454	10001454	10001454
*	Lava rock (Burner)	57897	57897	57897	57897
2.	Grate Assembly	10002323	10002323	10002323	10002323
3a.	Burner Housing Assembly, Nat.	10002419	10002419	20002419	20002419
3b.	Burner Housing Assembly, Prop.	10002629	10002629	10002629	10002629
*	Ceramic Burner Tile	10002165	10002165	10002165	10002165
*	Orifice/s, Main burner (Nat.)	Refer to the rating plate for specific orifice information			
*	Orifice/s, Main Burner (Prop.)	Refer to the rating plate for specific orifice information			
4a.	Pilot assembly PSE (Nat.)	10001741	10001741	10001741	10001741
4b.	Pilot assembly PSE (Prop.)	10001742	10001742	10001742	10001742
5a.	Pilot assembly SIT Top Conv. (Nat.)	10002264	10002264	10002264	10002264
5b.	Pilot assembly SIT Top Conv. (Prop.)	10002265	10002265	10002265	10002265
6.	Pilot, PSE (with cable & electrode)	10001824	10001824	10001824	10001824
7.	Pilot SIT Top Convertible	10002266	10002266	10002266	10002266
8.	Pilot Hood, SIT Top Convertible	10002385	10002385	10002385	10002385
*	Orifice, Pilot PSE (Nat.)	10001822	10001822	10001822	10001822
*	Orifice, Pilot PSE (Prop.)	10001823	10001823	10001823	10001823
*	Orifice, Pilot SIT Top convertible (Nat.)	10002268	10002268	10002268	10002268
*	Orifice, Pilot SIT Top conv. (Prop.)	10002269	10002269	10002269	10002269
*	Pilot tube & fittings	53211	53211	53211	53211
*	Pilot tube & fittings (Top convertible)	10001296	10001296	10001296	10001296
*	Manifold tube & fittings	10002492	10002492	10002492	10002492
*	Flexible Gas Line (18") with fittings	20002500	20002500	20002500	20002500
9.	Thermocouple, PSE	10001828	10001828	10001828	10001828
10.	Thermocouple, SIT Top Convertible	53373	53373	53373	53373
11.	Thermopile	51827	51827	51827	51827
12.	Ignitor electrode (with cable), SIT	10001297	10001297	10001297	10001297
13.	Ignitor (Piezo), SIT 820 valve	52464	52464	52464	52464
14.	Ignitor (Piezo), Honeywell Valve	20000062	20000062	20000062	20000062
15a.	Valve, SIT 820 (Nat.)	52677	52677	52677	52677
15b.	Valve, SIT 820 (Prop.)	52678	52678	52678	52678
16a.	Valve, Honeywell (Nat.)	10000235	10000235	10000235	10000235
16b.	Valve, Honeywell (Prop.)	10000242	10000242	10000242	10000242
17.	Fan & Bracket FK12 (optional)	ZA1110	ZA1110	ZA1110	ZA1110
18.	Fan & Bracket FK24 (optional)	54103	54103	54103	54103
*	Temperature Sensor (optional)	51704	51704	51704	51704
*	Fan Speed Control (optional)	51738	51738	51738	51738
*	Fan Speed Control Knob (optional)	51882	51882	51882	51882
*	Electric Cord	51865	51865	51865	51865

360DVS Series *(continued)* (Items marked '*' are not shown in the parts illustration)

Ref.	Description	360DVS2	360DVS3	360DVSL	360DVSR
19.	Remote ON/OFF switch (RN/RP models)	51842	51842	51842	51842
*	Wiring Harness (remote switch)	55923	55923	55923	55923
*	Remote ON/OFF Switch Kit (incls. bracket)	53875	53875	53875	53875
20.	Louvre Assembly, side top.	10000039	10000039	10000039	10000039
21.	Louvre Assembly, side bottom	10000040	10000040	10000040	10000040
22.	Louvre Assembly, end top	N/A	10002411	10002411	10002411
23.	Louvre Assembly, end bottom	N/A	10002412	10002412	10002412
24.	Hinge, lower louvre assemblies	52356	52356	52356	52356
25.	Brass WindowTrim, side windows	57483-PB	57483-PB	57483-PB	57483-PB
26.	Brass Window Trim, end trim	N/A	10002258	10002258	10002258
*	Window Frame Assembly, side	10002483	10002483	10002483	10002483
*	Window Frame Assembly, end	N/A	10002484	10002484	10002484
*	Window Glass (complete with gasket), side	10002533	10002533	10002533	10002533
*	Window Glass (complete with gasket), end	N/A	10002534	10002534	10002534
*	Gasket Kit (glass replacement, 1x10' length)	57317	57317	57317	57317
27.	Window Frame Clamp	54174	54174	54174	54174
28.	Refractory Lining (vertical end walls)	10002544	10002544	10002544	10002544
29.	Refractory Lining (vertical side wall)	N/A	N/A	10002652	10002652
30.	Refractory Lining (base side pieces)	10002545	10002545	10002545	10002545
31.	Refractory Lining (base end pieces)	10002546	10002546	10002546	10002546
32.	CR Bottom Kit w/out Rear	10003021	10003021	10003021	10003021
*	Air Inlet Cover Plate Assembly	10002769	10002642	10002642	10002642
*	Air Inlet Cover Plate Gasket	10002515	10002515	10002515	10002515
*	Flue Pipe Plate Assembly	10002554	10002554	10002554	10002554
*	FluePipe Plate Gasket	10002237	10002237	10002237	1000223
*	Flue Cover Plate	10002298	10002298	10002298	10002298
*	Flue Cover Plate Gasket	10002233	10002233	10002233	10002233
*	Relief Plate (with gasket)	10002543	10002543	10002543	10002543
*	Deflector, Cabinet Top Short	N/A	10002260	10002260	10002260
*	Corner Post (left)	N/A	10002256	10002256	10002256
*	Corner Post (right)	N/A	10002257	10002257	10002257
*	Corner Post Mounting Bracket	N/A	10002440	10002440	10002440
*	Deflector Cabinet Top Long	54364	54364	54364	54364
33a.	Pilot Assembly SIT Top Convertible EN	10002387	10002387	10002387	10002387
33b.	Pilot Assembly SIT Top Convertible EP	10002388	10002388	10002388	10002388
34.	Ignitor Electrode SIT EN/EP	52465	52465	52465	52465
35.	Cable Ignitor SIT EN/EP	10000696	10000696	10000696	10000696
36a.	SIT822 Gas Control Valve EN	57884	57884	57884	57884
36b.	SIT822 Gas Control Valve EP	57883	57883	57883	57883
37.	Sensing Electrode (w/ Cable) EN/EP	57885	57885	57885	57885
38.	Transformer 24V EN/EP	7522409	7522409	7522409	7522409
39.	Ignition Module Honeywell EP	30000005	30000005	30000005	30000005
*	Wire Harness Honeywell EN/EP	10001979	10001979	10001979	10001979

Optional Accessories Available

Fan Kits

FK24 Fan Assembly

This auxiliary fan system increases the efficiency of the circulation of the heated air.

The FK24 fan kit allows variable speed control of the circulation fan and also incorporates a heat sensor in the circuit.

Specifications

115 Volt / 60Hz / 56 Watts

Maintenance

The fan itself does not require regular maintenance, however periodic cleaning of the fan and the surrounding area is required.

Check the area under the control door (lower louvre assembly) and in front of the fan and wipe or vacuum this area at least once a month during the operating season.

Installation

The fan assembly and other components are supplied fully wired, eliminating the need for a licensed electrician to carry out the installation.

If hard wiring the fan in using Method B (following) we strongly recommend the use of a licensed electrician.

1. Open the lower louvre assembly. Maneuver the fan and bracket assembly around the gas valve and lines to locate the unit onto the screw studs on the back of the fireplace.
2. Install the thermal sensor under the bottom of the firebox, locating it over the two (2) 10 mm studs, and secure it with nuts.
3. Locate the fan speed control unit. This can be fitted behind the lower louvre assembly as in Fig. 50, or located remotely in a conveniently located wall mounted electrical box. Remote location of the speed control will require suitable extension of the component wiring.
4. The power supply may be connected in two ways:

   Method A

   Route the 6' lead fitted to the unit to a conveniently located wall socket.

   Method B

   The EB-I receptacle box (Pt. # ZA1200) may be hard-wired into the house supply. The fan lead is then plugged into the EB-I box.

FK12

This auxiliary fan system increases the efficiency of the circulation of the heating air.

The FK12 Fan Assembly is a fixed speed fan system and does not allow for variable speed control. It does not use the speed control unit or the heat sensor included with the FK24 Kit.

Specifications

115 Volts / 60 Hz / 56 Watts.

Maintenance

The fan itself does not require regular maintenance; however, periodic cleaning of the fan and the surrounding area is required.

Check the area under the control door (lower louvre assembly), and in front of the fan. Wipe or vacuum this area at least once a month during the operating season.

Installation

The fan assembly is supplied fully wired eliminating the need for a licensed electrician to carry out the installation.

1. Open the lower Louvre assembly. Maneuver the fan and bracket assembly around the gas valve and lines to locate the unit against the back wall of the appliance, resting on the base.
2. With the protective cover removed from the self-adhesive 'Velcro' strips apply mild pressure to the fan & bracket unit to secure the strips to the metal panels. No further securing is required.
3. Power to the fan can be supplied by plugging the supplied lead into a conveniently-located wall socket by using a hard-wired EB-I receptacle box.

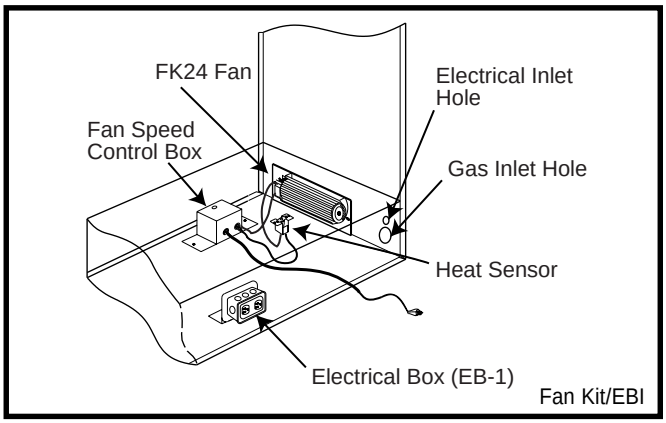


Fig. 50 Fan

Wiring Instructions

The fireplace, when installed, must be electrically connected and grounded in accordance with local codes, or in the absence of local codes, with the current CSA C22.1 Canadian Electric Code. For USA installations, follow local codes and the National Electrical Code ANSI/ NFPA No. 70.

Any electrical rewiring of this fan must be done by a licensed electrician.

Should this fan require servicing or repair, the power supply must be disconnected. For rewiring of any replacement parts, see Fig. 51.

Method A (Not using EB-1; see Fig. 51)

1. Connect the ground wire to the power supply line to ground stud located on the base of the firebox.
2. Connect the black wire of the supply line to either terminal of the speed control unit.
3. The second terminal of the speed control unit is attached to either terminal of the thermal sensor.
4. The second terminal of the thermal sensor is connected to either terminal of the fan motor.
5. The second fan motor terminal is connected to the white wire of the supply line.

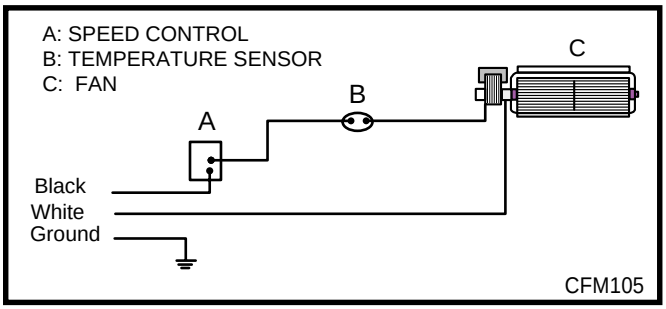


Fig. 51 'Method A' fan wiring diagram

Method B
For instruction on wiring the EB-1 Electrical Junction Box, see section EB-1 Electrical Junction Box Connection on page 10.

Remote Controls

Optional remote control units are available to control different functions of the appliance.

MODEL	FUNCTION(S) CONTROLLED
MRC1	ON/OFF
MRC2	ON/OFF & Temperature
MRC3	ON/OFF & Temperature control with a digital display and a programmable 24-hour clock
IMT	Wall-mounted thermostat control

Decorative Trim Frame Kit

The DV360TKMP Medium Trim Kit in polished brass is available for the 360DVS2 model only.

Each kit contains 4 polished brass trim pieces and the necessary attaching screws to frame one side window of the unit.

Installation (Refer to Fig. 52.)

1. Remove the top louvre assembly.
2. Lower the bottom louvre assembly to expose the louvre hinges. Unscrew the retaining screws and remove the louvre assembly from the hinges.
3. Remove the retaining screws that secure the top deflector plate (above the top louvre opening), and remove the plate.
4. Using the screws provided, attach the lower trim piece to the predrilled holes in the lower edge of the bottom louvre opening.
5. Using the screws provided, attach the two side trim pieces to the predrilled holes in the vertical side frames.
6. Use the top deflector plate and the screws removed in step 3 to clamp the top trim piece in place. With the trim piece in place along the top edge, refit and secure the top deflector plate.
7. Reattach the lower louvre panel to the hinges and replace the top louvre assembly.

All protective plastic wrap must be removed from the trim pieces before the appliance is put into service. If plastic wrap is not removed, a health or fire hazard may develop.

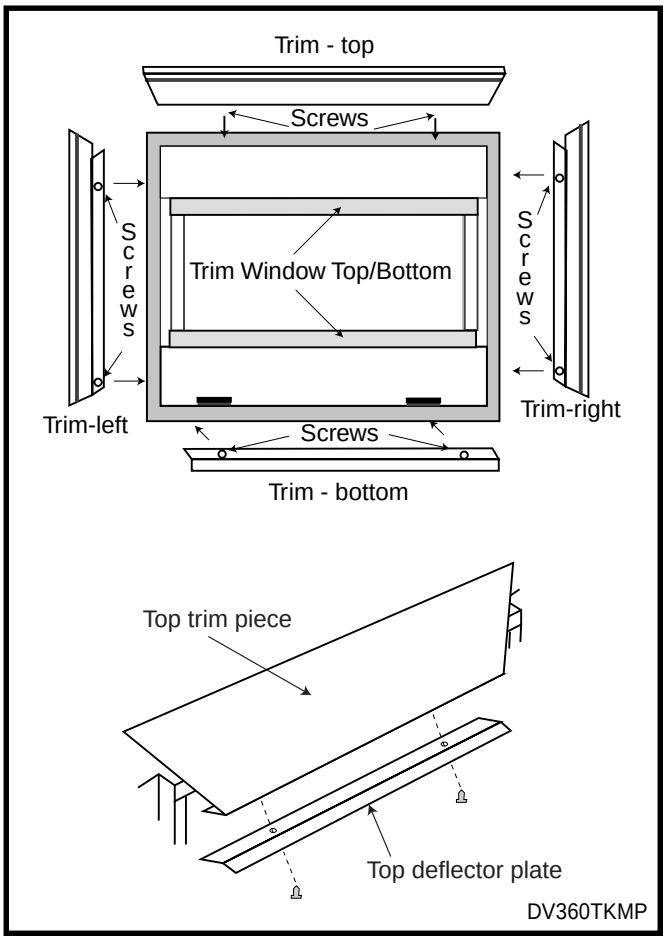


Fig. 52 Decorative trim frame installation

LIMITED LIFETIME WARRANTY

PRODUCT COVERED BY THIS WARRANTY

All Vermont Castings gas stoves, gas inserts, and gas fireplaces, and all Majestic or Northern Flame brand gas fireplaces equipped with an Insta-Flame Ceramic Burner, or standard steel tube burner.

BASIC WARRANTY

The Vermont Castings, Majestic Products Company (hereinafter referred to collectively as the Company) warrants that your new Vermont Castings or Majestic Gas Fireplace/Stove is free from manufacturing and material defects for a period of one year from the date of purchase, subject to the following conditions and limitations.

EXTENDED LIFETIME WARRANTY

The heat exchanger, where applicable, and combustion chamber of every Vermont Castings *or* Majestic gas product is warranted for life against through wall perforation. All appliances equipped with an Insta-Flame Ceramic Burner have limited lifetime coverage on the ceramic burner plaque. Warrantees are made to the original owner subject to proof of purchase and the conditions and limitations listed on this Warranty Document

COMPONENT WARRANTY

CAST IRON: All external and internal cast iron parts are warranted for a period of three years.

Note: On porcelain enamel finished external parts and accessories The Company offers no Warranty on chipping of enamel surfaces. Inspect all product prior to accepting it for any damage to the enamel.

The salt air environment of coastal areas or a high humidity environment can be corrosive to the porcelain enamel finish. These conditions can cause rusting of the cast iron beneath the porcelain enamel finish, which will cause the finish to flake off.

Dye lot variations with replacement parts and/or accessories can occur and are not covered by warranty.

GLASS DOORS: Glass doors are covered for a period of one year. Glass doors are not warranted for breakage due to misuse or accident. Glass doors are not covered for discoloration or burned in stains due to environmental issues, or improper cleaning and maintenance.

BRASS PLATED PARTS AND ACCESSORIES: Brass parts should be cleaned with Lemon oil only. Brass cleaners cannot be used. Mortar mix and masonry cleaners may corrode the brass finish. The Company will not be responsible for, nor will it warrant any brass parts which are damaged by external chemicals or down draft conditions.

GAS VALVES: Gas valves are covered for a period of one year

ELECTRONIC AND MECHANICAL COMPONENTS: Electronic and mechanical components of the burner assembly are covered for one year. All steel tube burners are warranted for one year.

ACCESSORIES: Unless otherwise noted all components and Vermont Castings, Majestic Products company supplied accessories are covered for a period of one year.

CONDITIONS AND LIMITATIONS

- This new Vermont Castings or Majestic product must be installed by a competent, authorized, service contractor. A licensed technician, as prescribed by the local jurisdiction must perform any installation/service work. It must be installed and operated at all times in accordance with the Installation and Operating instructions furnished with the product. Any alteration, willful abuse, accident, or misuse of the product shall nullify this warranty.
- This warranty is nontransferable, and is made to the original owner, provided that the purchase was made through an authorized supplier of the Company.
- The customer must pay for any Authorized Dealer in-home travel fees or service charges for in-home repair work. It is the dealers option whether the repair work will be done in the customer's home or in the dealer's shop.
- If upon inspection, the damage is found to be the fault of the manufacturer, repairs will be authorized at no charge to the customer parts and/or labor.
- Any part and/or component replaced under the provisions of this warranty is covered for six months or the remainder of the original warranty, whichever is longest.
- This warranty is limited to the repair of or replacement of part(s) found to be defective in material or workmanship, provided that such part(s) have been subjected to normal conditions of use and service, after said defect is confirmed by the Company's inspection.
- The company may, at its discretion, fully discharge all obligations with respect to this warranty by refunding the wholesale price of the defective part(s)
- Any installation, labor, construction, transportation, or other related costs/expenses arising from defective part(s), repair, replacement, or otherwise of same, will not be covered by this warranty, nor shall the Company assume responsibility for same. Further, the Company will not be responsible for any incidental, indirect, or consequential damages except as provided by law.
- *SOME STATES DO NOT ALLOW FOR THE EXCLUSION OR LIMITATIONS OF INCIDENTAL AND CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOUR CIRCUMSTANCES. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.*
- All other warranties-expressed or implied- with respect to the product, its components and accessories, or any obligations/liabilities on the part of the Company are hereby expressly excluded.
- The Company neither assumes, nor authorizes any third party to assume on its behalf, any other liabilities with respect to the sale of this Vermont Castings, Majestic product
- The warranties as outlined within this document do not apply to chimney components or other non Vermont Castings, Majestic accessories used in conjunction with the installation of this product..
- Damage to the unit while in transit is not covered by this warranty but is subject to claim against the common carrier. Contact the dealer from whom you purchased your fireplace/stove (do not operate the appliance as this might negate the ability to process the claim with the carrier).

- **The Company will not be responsible for:**
  a) Down drafts or spillage caused by environmental conditions such as nearby trees, buildings, roof tops, hills, or mountains.
  b) Inadequate ventilation or negative air pressure caused by mechanical systems such as furnaces, fans, clothes dryers, etc.
- This warranty is void if:
  a) The fireplace has been operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals.
  b) The fireplace has been subjected to prolonged periods of dampness or condensation
  c) Any damages to the fireplace, combustion chamber, heat exchanger or other components due to water, or weather damage, which is the result of but not limited to, improper chimney/venting installation.
  d) Any alteration, willful abuse, accident, or misuse of the product has occurred.

IF WARRANTY SERVICE IS NEEDED…

1) Contact your supplier. Make sure you have your warranty, your sales receipt, and the model/serial number of your Vermont Castings, Majestic product.
2) DO NOT ATTEMPT TO DO ANY SERVICE WORK YOURSELF.